

ALPINE SERVICE MANUAL

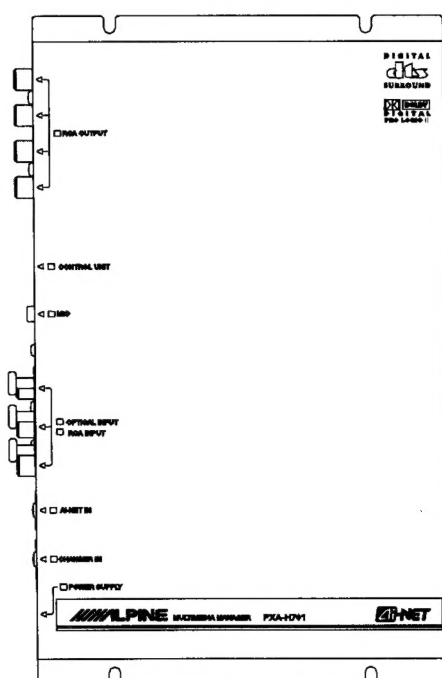
MULTIMEDIA MANAGER™



* The model described in this manual is developed from Model PXA-H700.

For information that is not mentioned in this service manual, refer to the Service Manual • PXA-H700 (Part No. 68E35821S01).

< Please refer to PROCESSOR UNIT of PXA-H700. >



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68E36304S01



PXA-H701

<Cautions for Safe Repair Work>



The following cautions will prevent accidents in the workplace and will ensure safe products.

*The symbols indicate caution is needed to prevent injuries and damage to property.



The symbols and their meanings follow.

 Warning	If you ignore this symbol and handle the product incorrectly or unsafely, serious injury or death may result.
 Caution	If you ignore this symbol and handle the product incorrectly or unsafely, injury or only material damage may result.









*The following symbols indicate two levels of cautions.

 When you see this symbol, you have to be very careful.	
 When you see this symbol, you have to follow the instructions there.	

Warning

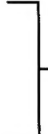
 Do not look squarely into the laser light coming from the pickup. You may lose your sight.	 Fuse Caution Always use a designated fuse. Use of an incorrect fuse may result in a fire.
--	--

Caution

 Do not allow wiring to be caught in the screw/chassis. If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire.	 Battery Caution Use the designated battery. Confirm the correct polarity and seat of the battery. An incorrect battery or an improperly connected or seated battery may result in a fire.
 High Temperature Caution Touching the heat sink may cause severe burns.	 Designated Parts Caution Look up the part list and ensure that only designated parts are used to prevent problems or accidents.
 Reverse Power Supply Connections or Misconnections Caution Reverse power supply connections or misconnections may cause ignition problems and smoke may result.	 Wiring Caution Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown.
 Soldering Caution Hot solder from solder splash may cause severe burns.	 Wear Gloves Wear gloves to prevent electrical shocks or injury from the end face of the metal.

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Specifications		Refer to the Service Manual - PXA-H700 (Part No. 68E35821S01).
System Connection		
Block Diagram		

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

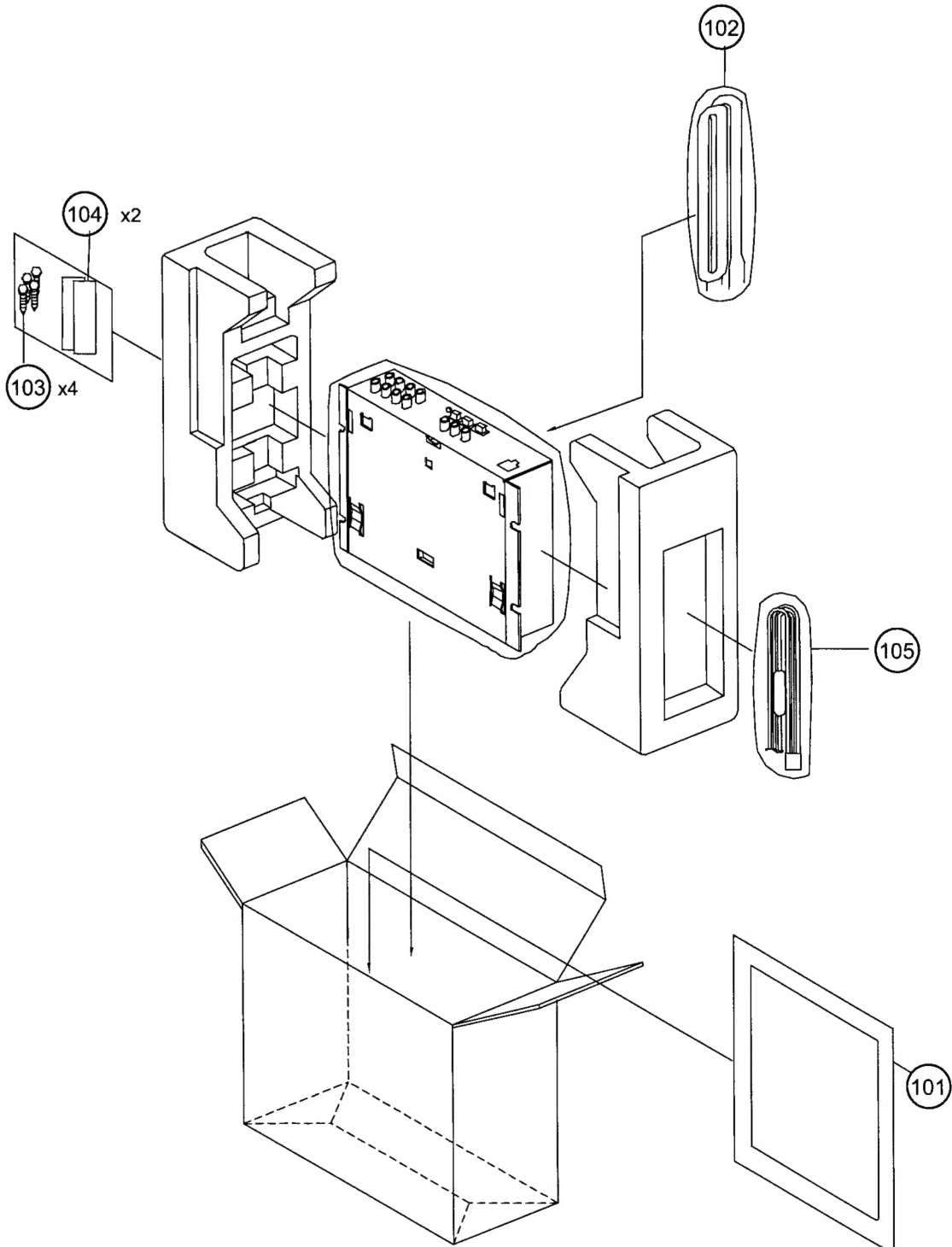
Packing Assembly Parts List

Symbol No.	Part No.	Description
#1 101	68-00493Z08	OWNER'S MANUAL
\$1 101	68-00493Z09	OWNER'S MANUAL
102	01T55561W37	ASSY, DIN(AINET/5500)

Symbol No.	Part No.	Description
103	03E36299S01	SCR,M4X14 TPG1.BLK(CR FREE)
104	75E26094S01	PAD,MAGIC TAPE
105	01E34618S01	ASSY,KIT WIRE 6P5557-06

NOTE : #1 : For North American Model Only, \$1 : For General Foreign Model Only, Others : Common.

Packing Method View



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<PROCESSOR Unit>

Electrical Parts List (Only Difference)

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Parts Layout on P.W.Boards and Wiring Diagram		Refer to the Service Manual - PXA-H700 (Part No. 68E35821S01).
Schematic Diagram		
Terminal Voltage of IC/ TR		
Description of IC Terminal		
Exploded View (Cabinet)(PROCESSOR Unit)		

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Electrical Parts List (Only Difference)

NOTE : For the parts not mentioned, refer to the Service Manual for PXA-H700 (Part No. 68E35821S01).

Model	PXA-H700		PXA-H701	
Symbol No.	Part No.	Description	Part No.	Description
MAIN P.W.Board				
Transistor			Transistor	
Q203	48E22877S01	TR,2SC3693 M,L,K	48E36297S01	TR,2SC4551
DSP P.W.Board				
IC			IC	
IC506	51T65804Y01	IC,UPD70F3030BYGC	51T65804Y06	IC,UPD70F3030BYGC

ALPINE

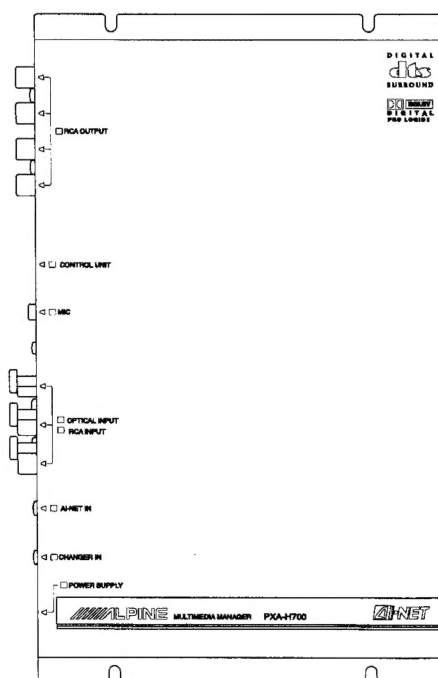
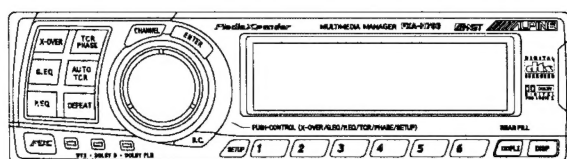
SERVICE MANUAL

MULTIMEDIA MANAGER™



* The model is component system unit of PROCESSOR UNIT and COMMANDER UNIT.

* Serial Numbers after 30110071 (General Foreign Model Only)



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9/03-A

68E35821S01



PXA-H700

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 Do not look squarely into the laser light coming from the pickup. You may lose your sight.	 Fuse Caution Always use a designated fuse. Use of an incorrect fuse may result in a fire.
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Caution

 Do not allow wiring to be caught in the screw/chassis. If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire.	 Battery Caution Use the designated battery. Confirm the correct polarity and seat of the battery. An incorrect battery or an improperly connected or seated battery may result in a fire.
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 High Temperature Caution Touching the heat sink may cause severe burns.	 Designated Parts Caution Look up the part list and ensure that only designated parts are used to prevent problems or accidents.
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 Reverse Power Supply Connections or Misconnections Caution Reverse power supply connections or misconnections may cause ignition problems and smoke may result.	 Wiring Caution Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown.
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Packing Assembly Parts List

Packing Method View

Specifications

System Connection

Block Diagram

<PROCESSOR Unit>

<COMMANDER Unit>

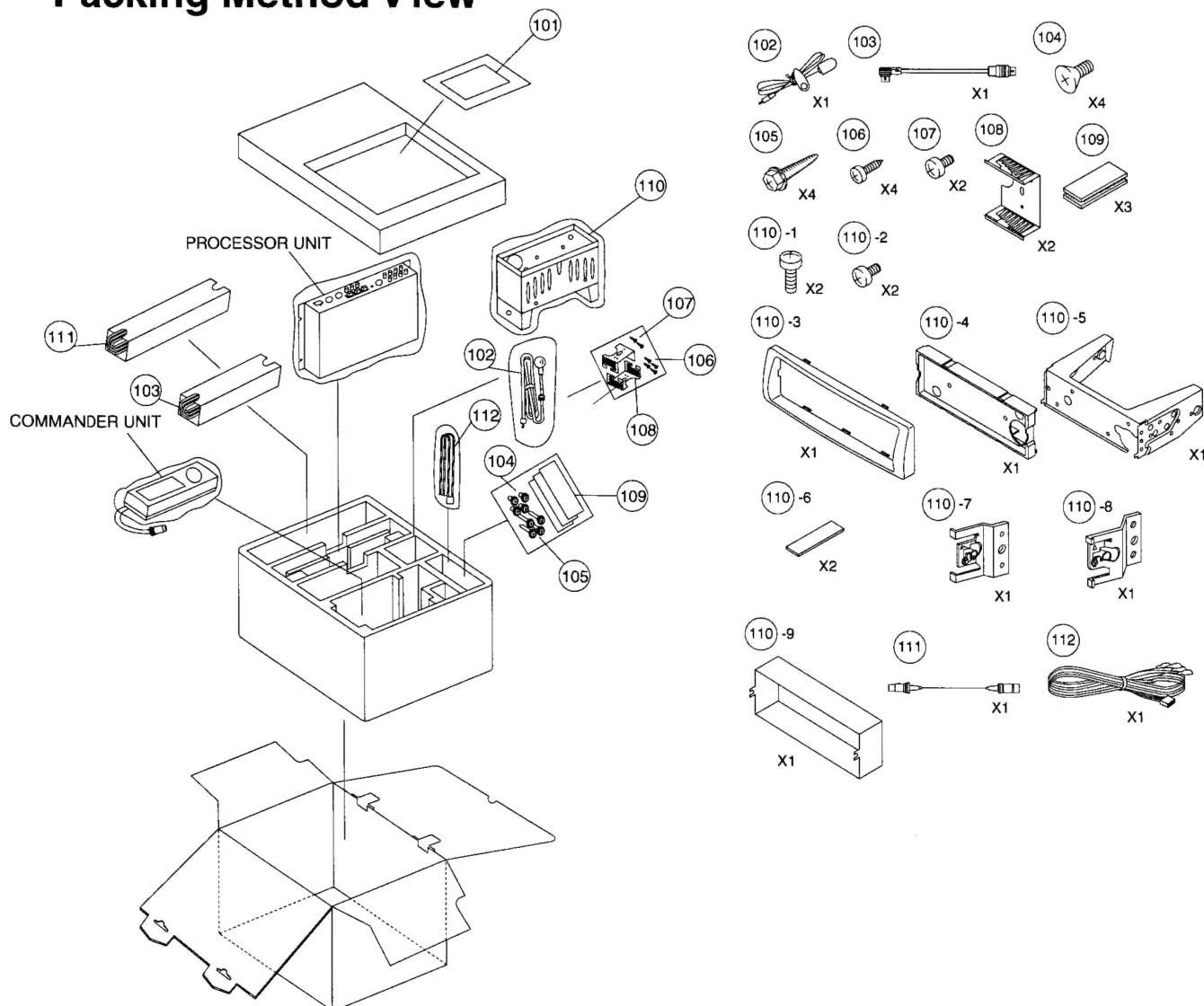
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
#1	101	68P02294K30 OWNER'S MANUAL	110-2	03E32133S01	SCR M3X5(B) MCH(BLK)
\$1	101	68P02294K33 OWNER'S MANUAL	110-3	64E31834S01	FACE, PLATE
	102	01T35715Y02 A-TCR MIC UNIT 5M	110-4	43E32141S01	SPACER ESC
	103	01T55561W37 DIN WIRE ASS'Y	110-5	07E31998S01	BKT MAIN
	104	03E10240S02 SCR,MCH M5X8(F)BLK	110-6	75E34619S01	CUSION, BKT
	105	03E11447S01 SCR, M4X14 TPG1,BLK	110-7	07E31830S01	BKT,SIDE(L) ASS'Y
	106	03E31996S01 SCR M2.6X8(B)TPG (1)MFSn(WHT)	110-8	07E31831S01	BKT,SIDE(R)ASS'Y
	107	03E32133S01 SCR M3X5(B) MCH(BLK)	110-9	15E21170S01	CASE,INNER
	108	07E31999S01 BKT SPRING	111	01E34617S01	ASS'Y DIN CABLE 13P(6M)
	109	75E26094S01 PAD,MAGIC TAPE	112	01E34618S01	ASS'Y KIT WIRE 6P5557-06
	110-1	03E09416S05 SCR M2.6X6(P)MCH-TPT(YEL)			

NOTE : #1 : For North American Model Only, \$1 : For General Foreign Model Only, Others : Common.

Packing Method View



Specifications

T.H.D.

(DIGITAL-IN Mode, FRONT1, FRONT2, REAR, CENTER (1kHz) : 0.1%
 Input : Digital-1 at Volume Max. (35Step : 3.8 to 4.2V Output), SUBWOOFER (17Hz) : 0.2%
 Front-1 : Full range, x-over OFF, Test Disc : TCD-782 (Track No. 2 and 3))
 (ANALOG-IN Mode, RCA-IN (at 1kHz 2.0V Input) : 0.1%
 Output Channel : Front-2 at Volume Max. Ai-NET & CHG-IN (at 1kHz 0.85V Input) : 0.1%
 (35Step : 3.2 to 3.8V Output))

Output Level

(DIGITAL-IN Mode, FRONT1, FRONT2, REAR, CENTER (1kHz) : 3.5V±3dB
 Input : Digital-1 at Volume Max., SUBWOOFER (17Hz) : 3.5V±3dB
 Front-1 : Full range, x-over OFF, Test Disc : TCD-782 (Track No. 2 and 3))
 (ANALOG-IN Mode, RCA-IN (at 1kHz 2.0V Input) : 3.2V±3dB
 Output Channel : Front-2 at Volume Max. Ai-NET & CHG-IN (at 1kHz 0.85V Input) : 3.0V±3dB
 (NAVI-MIX Mode (NAVI-MIX ON, NAVI Level 15Step) FRONT1, FRONT2 : 480mV±3dB
 Output Channel : Front-1, 2 at Volume Max.
 Front-1 : Full range, x-over OFF)

Residual Noise

(DIGITAL-IN Mode, FRONT1, FRONT2, REAR, CENTER, SUBWOOFER : 250uV
 Input : Digital-1 at Volume Max., Test Disc : TCD-782 (Track No.8),
 Front-1 : Full range, x-over OFF)
 (ANALOG-IN Mode, RCA-IN, Ai-NET-IN, CHG-IN : 250uV
 Output Channel : Front-2 at Volume Max., Input Shorted)

Frequency Response

(Input : RCA Input, Volume : Max., FRONT1, FRONT2, REAR, CENTER (20Hz) : 0±3dB
 Ref. 1,000Hz, Front-1 : Full range, x-over OFF) FRONT1, FRONT2, REAR, CENTER (20kHz) : 0±3dB
 (Input : RCA Input, Volume : Max., SUBWOOFER (17Hz) : 0±3dB
 Ref. 30Hz/0dB, Front-1 : Full range, x-over OFF)

Channel Separation

(Input : RCA Input, Volume : Max., Input Shorted FRONT1, FRONT2, REAR : 60dB
 Front-1 : Full range, x-over OFF)

Current Drain (at No Signal) 1.5A

Back-up Current Drain (Remoe OFF) less than 5.0mA

Power Source DC14.4V (11.0 to 16.0V)

Dimensions (W x H x D) PROCESSOR UNIT : 260 x 40 x 160mm

COMMANDER UNIT (Push ON) : 170 x 46 x 30mm

(Push OFF) : 170 x 46 x 36mm

Weight PROCESSOR UNIT : 1.1kg

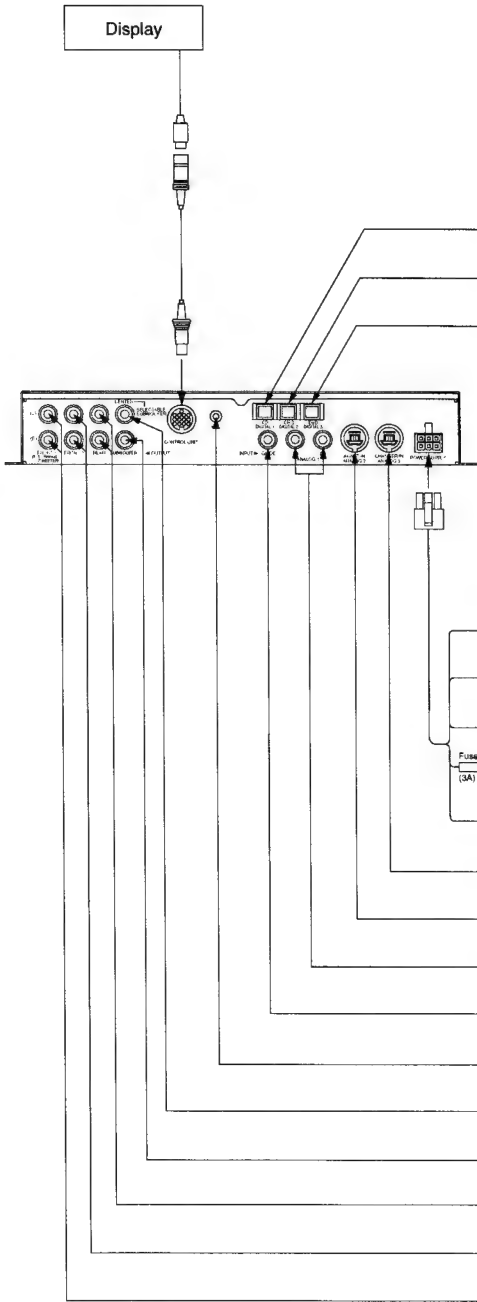
COMMANDER UNIT : 159g

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

System Connection

<North American Model Only>
<Basic Connections Diagram>

CAUTION
Do not connect or disconnect the display cable when the power of the unit is on.

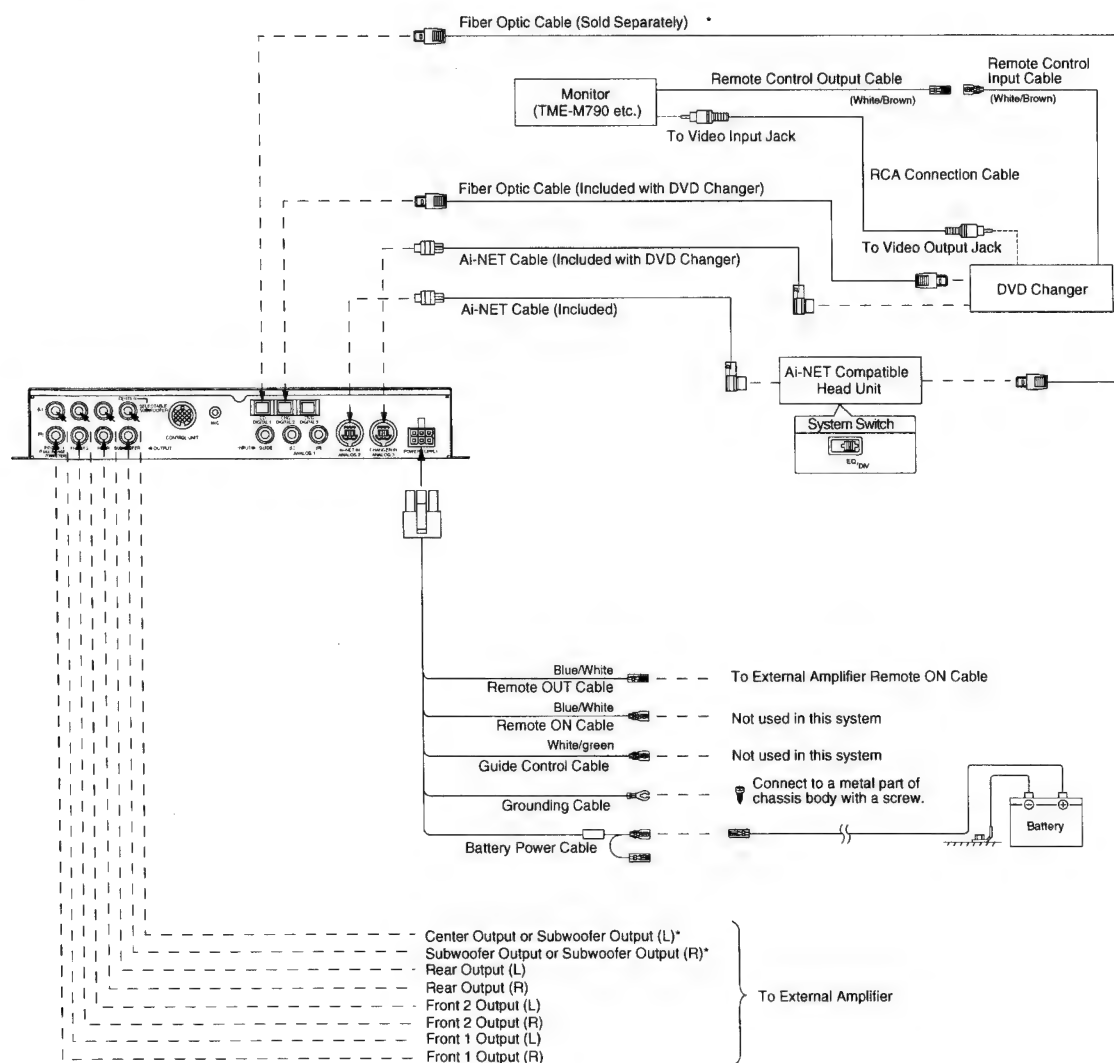


Terminal specifications	Connect to:
• Head unit input terminal (optical digital input) Used for system expansion (Ai-NET head unit, etc.).	Connect to an Ai-NET product using an optical fiber cable.
• Changer input terminal (optical digital input) Used for system expansion (Ai-NET changer, etc.).	Connect to an Ai-NET product using an optical fiber cable.
• DVD player input terminal (optical digital input) Used for system expansion (DVD player, etc.).	Connect to an Ai-NET product using an optical fiber cable.

Cord colors and cord/terminal specifications	Connect to:
• Remote ON cable Connect to the head unit for RCA connections. (Non Ai-NET connection)	Used for RCA connections. (Non Ai-NET connection)
• Remote OUT cable Connect to the amplifier or other peripheral device.	Used to add an amplifier.
• Guide control cable Used to interrupt the navigation system's sound.	Connect to the navigation system.
• Battery power cable Power is supplied constantly to the PXA-H700 regardless of whether the engine key is on or off.	Connect this lead to the positive(+) post of the vehicle's battery.
• Ground cable Connect securely to a metal part of the vehicle's body.	Connect to the vehicle's body.
• Changer input terminal (Ai-NET input) Used for system expansion (Ai-NET changer, etc.).	Connect to an Ai-NET product using an Ai-NET cord. For connection to the PXA-H700, use the straight side.
• Ai-NET input terminal (Ai-NET input) Used for system expansion (DVD player, etc.).	Connect to an Ai-NET product using an Ai-NET cord. For connection to the PXA-H700, use the straight side.
• Audio input jacks (RCA inputs) Used to input the audio output signals of a head unit connected with RCA connections to the PXA-H700.	Used for RCA connections. Connect to the head unit.
• Navigation audio input jack (RCA input) Used to input the audio output signals of a navigation system.	Connect to the navigation system.
• Microphone jack Use this to connect a microphone.	Used for automatic adjustment.
• Center speaker or subwoofer output jack (RCA output) Outputs signals for driving the center speaker or subwoofer.	Connect to the amplifier for the center speaker or subwoofer.
• Subwoofer output jack (RCA outputs) Outputs signals for driving the subwoofer.	Connect to the amplifier for the subwoofer.
• Rear speaker output jacks (RCA outputs) Outputs signals for driving the rear speakers.	Connect to the amplifier for the rear speaker.
• Front 2 speaker output jacks (RCA outputs) Outputs signals for driving the front 2 speakers.	Connect to the amplifier for the front 2 speaker.
• Front 1 speaker output jacks (RCA outputs) Outputs signals for driving the front 1 speaker.	Connect to the amplifier for the front 1 speaker.

<Examples of system expansion>

- PXA-H700 + Ai-NET Compatible Head Unit + DVD Changer + Monitor + External Amplifier



* When the subwoofer is connected to the center speaker output jack, it becomes subwoofer output (L or R).
In this case, change the setting of the center speaker to subwoofer in "Setting the speakers".

NOTE

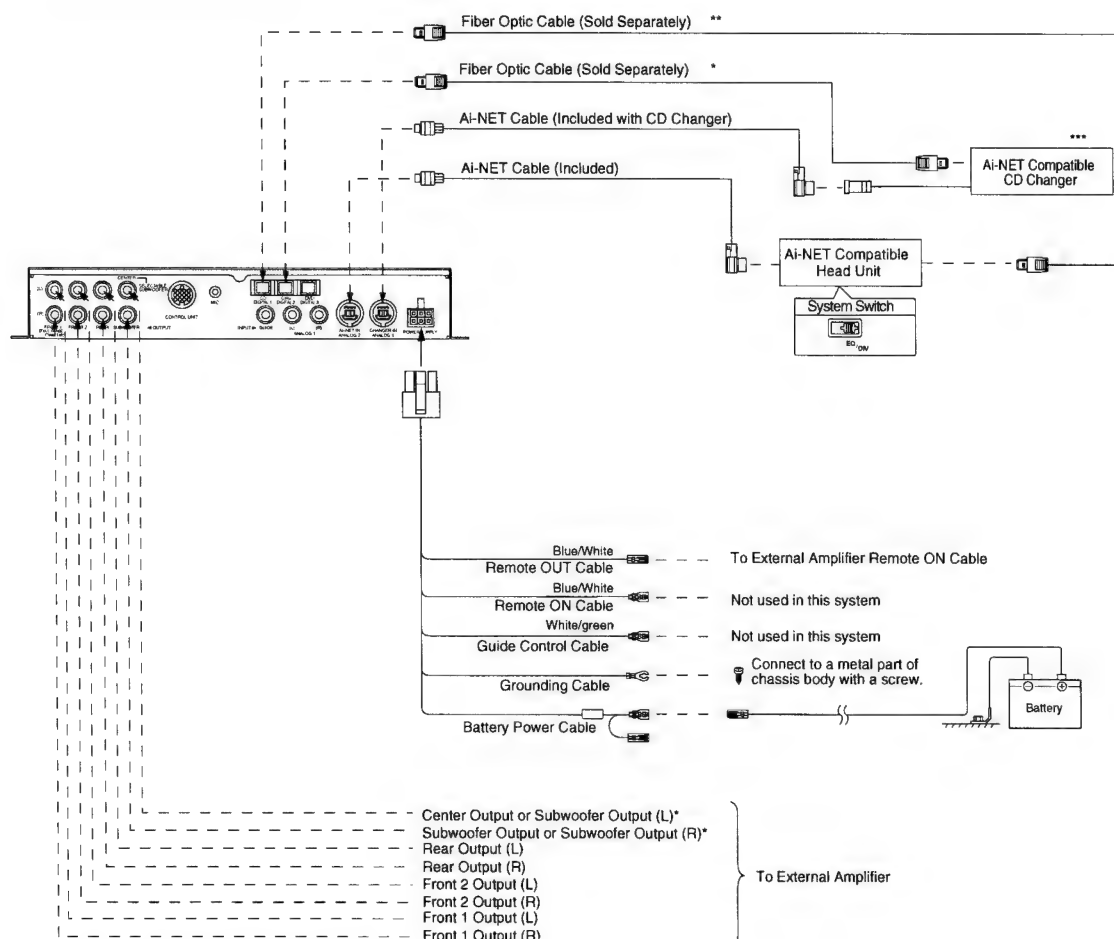
Please observe the following when using Fiber Optic Cable.

- Do not coil the Fiber Optic Cable smaller than a 30mm radius.
- Do not place anything on top of the Fiber Optic Cable.

NOTE

- * Used for connection to an optical digital compatible head unit.

• PXA-H700 + Ai-NET Compatible Head Unit + CD Changer + External Amplifier



* When the subwoofer is connected to the center speaker output jack, it becomes subwoofer output (L or R). In this case, change the setting of the center speaker to subwoofer in "Setting the speakers".

NOTE

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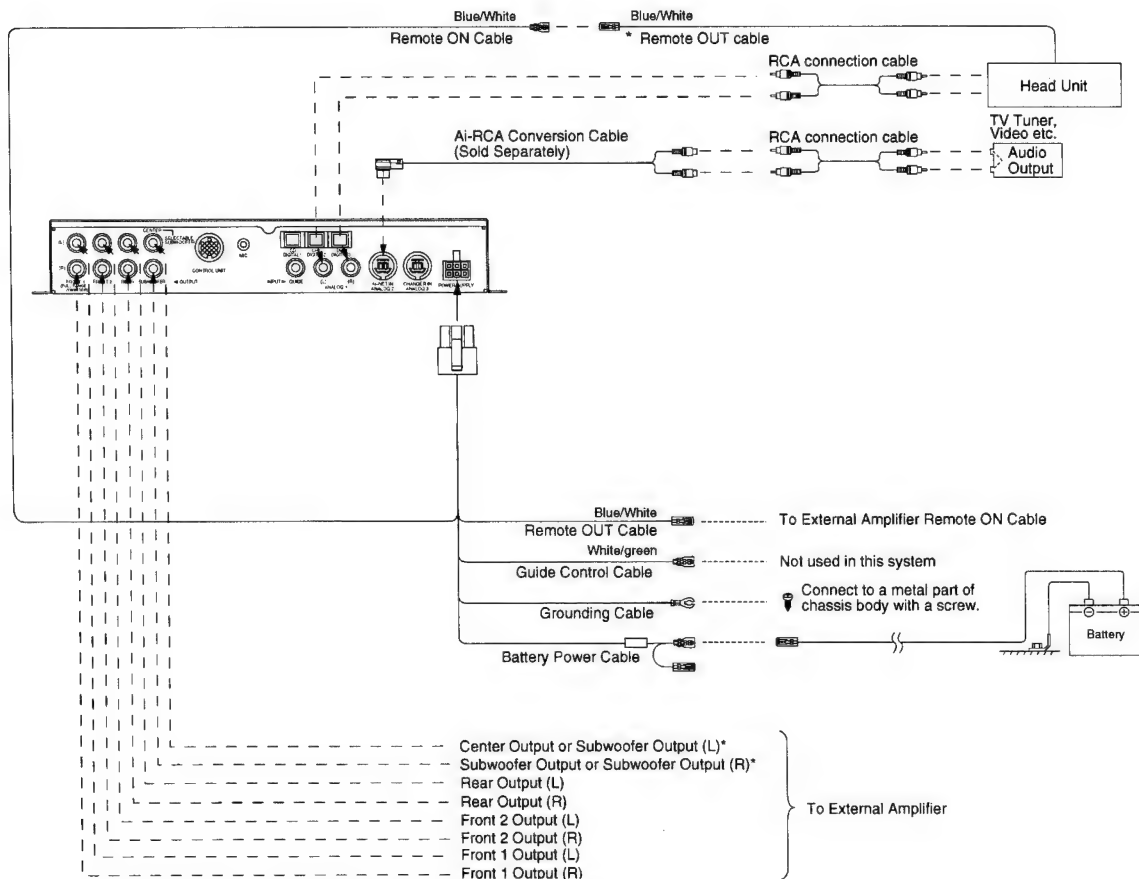
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NOTES

- * When connecting a Optical Digital CD Changer
- ** Used for connection to an optical digital compatible head unit.
- *** When connecting a Optical Digital CD Changer, change the Digital/Analog switch of the CD Changer to "2" (Digital Output)



- PXA-H700 + Head Unit + Video Deck etc. + External Amplifier
- For connecting a head unit with which Ai-NET connections are not possible.

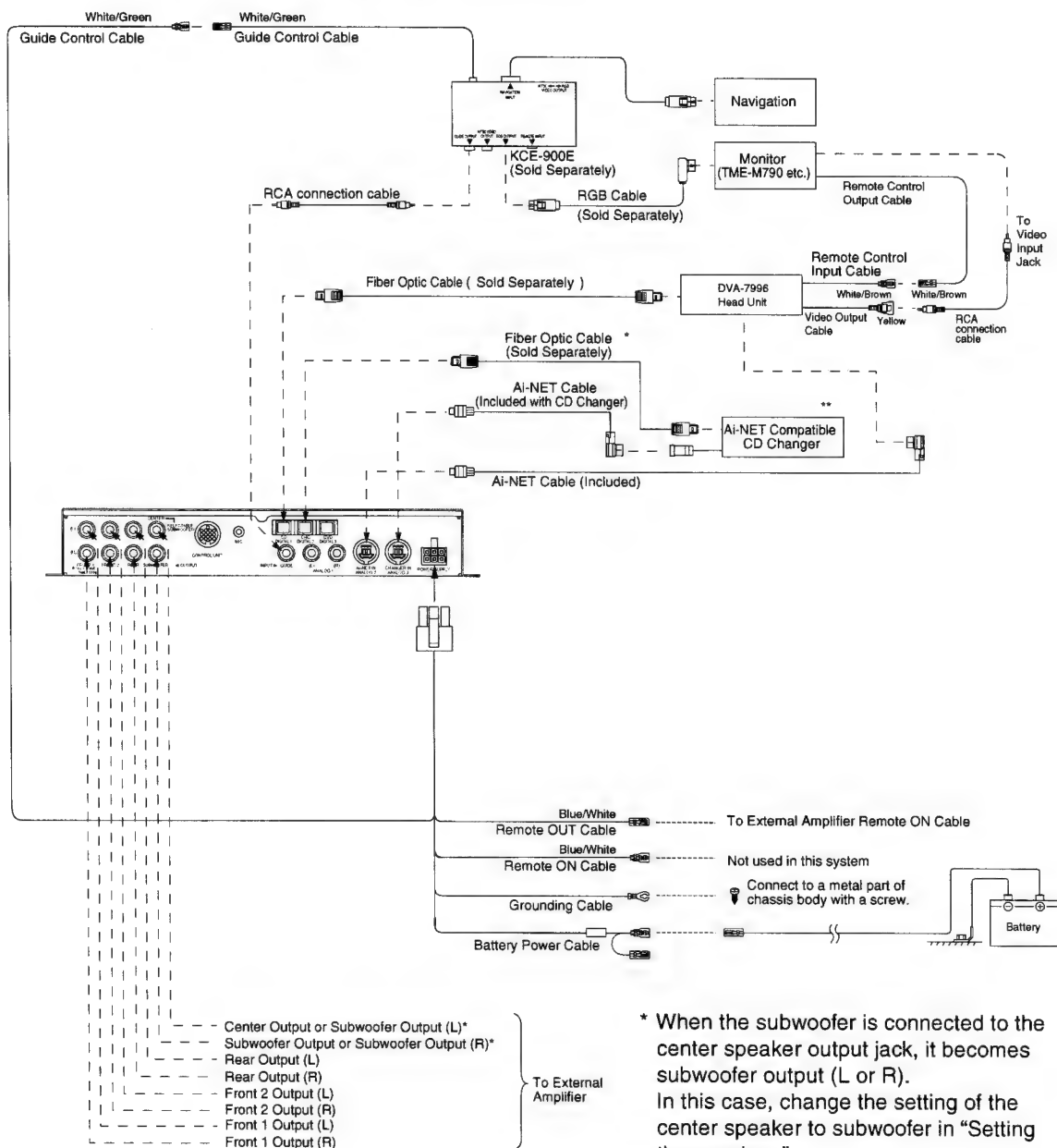


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NOTE

When using the PXA-H700 with a non-Ai-NET head unit, +12V is required on this line * to turn on the equalizer if your head unit does not have a remote-on or power-antenna turn-on wire, an SPST switch must be connected between an ignition source and this terminal. The PXA-H700 can then be turned on using this switch. The PXA-H700 can be used with any head unit. However, only an Alpine Ai-NET compatible head unit will be able to take full advantage of all the features and functions of this processor.

• PXA-H700 + DVA-7996 Head Unit + CD Changer + Navigation System + Monitor + External Amplifier



NOTES

* When connecting a Optical Digital CD Changer

** When connecting a Optical Digital CD Changer, change the Digital/Analog switch of the CD Changer to "2" (Digital Output)

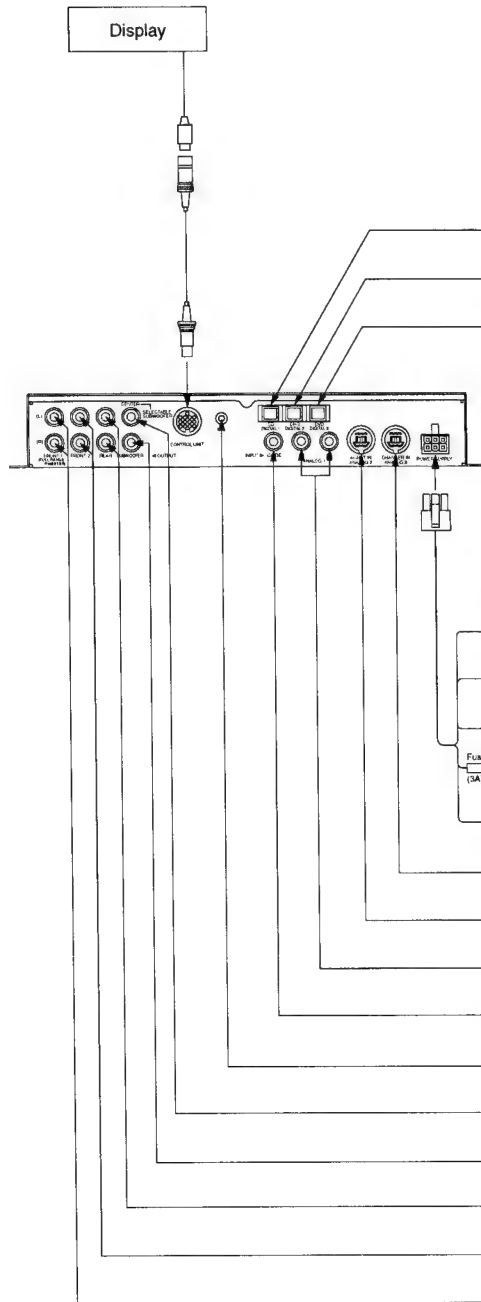


<General Foreign Model Only>

<Basic Connections Diagram>

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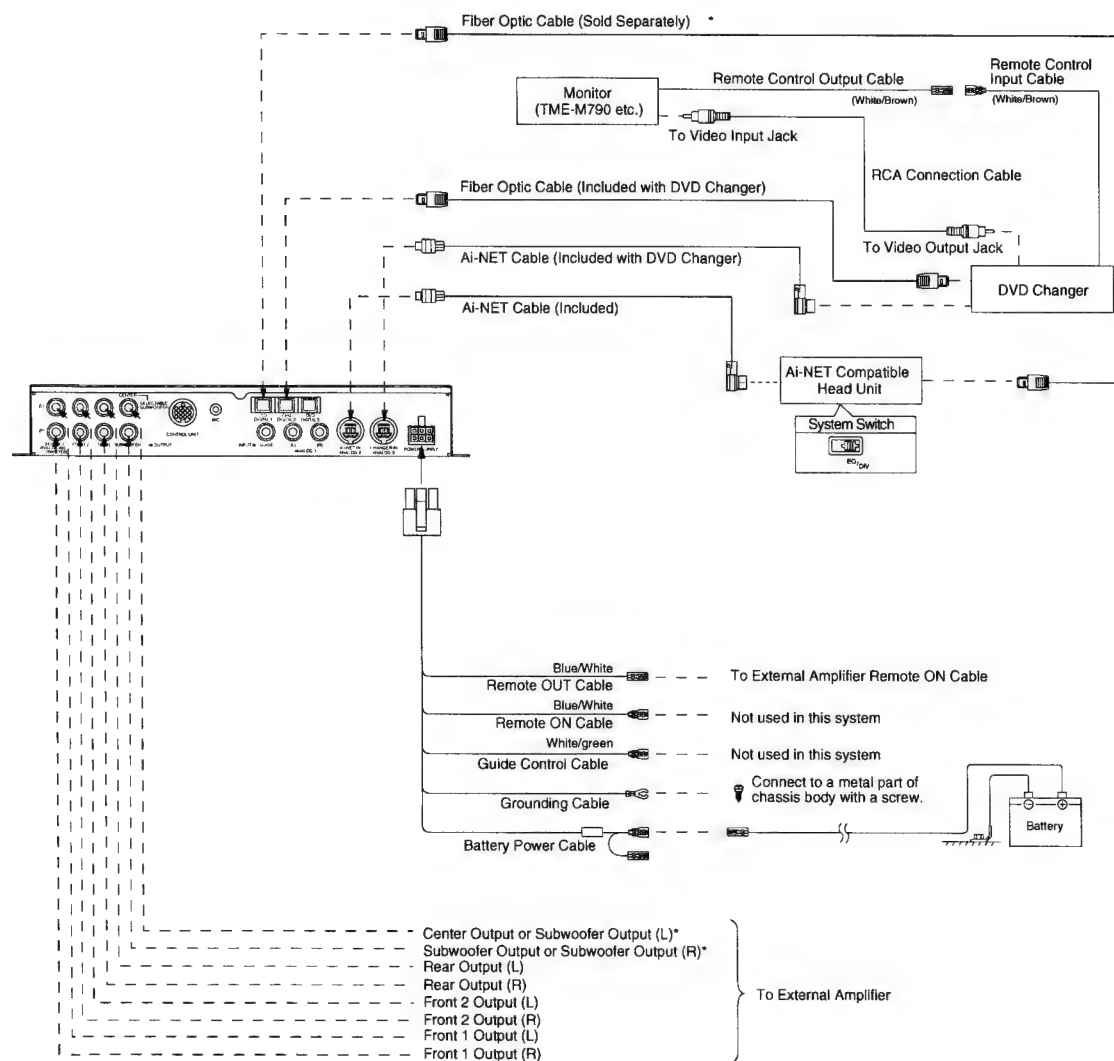


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• Front 1 speaker output jacks (RCA outputs) Outputs signals for driving the front 1 speakers.	Connect to the amplifier for the front 1 speaker.

<Examples of system expansion>

- PXA-H700 + Ai-NET Compatible Head Unit + DVD Changer + Monitor + External Amplifier



* When the subwoofer is connected to the center speaker output jack, it becomes subwoofer output (L or R).
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NOTE

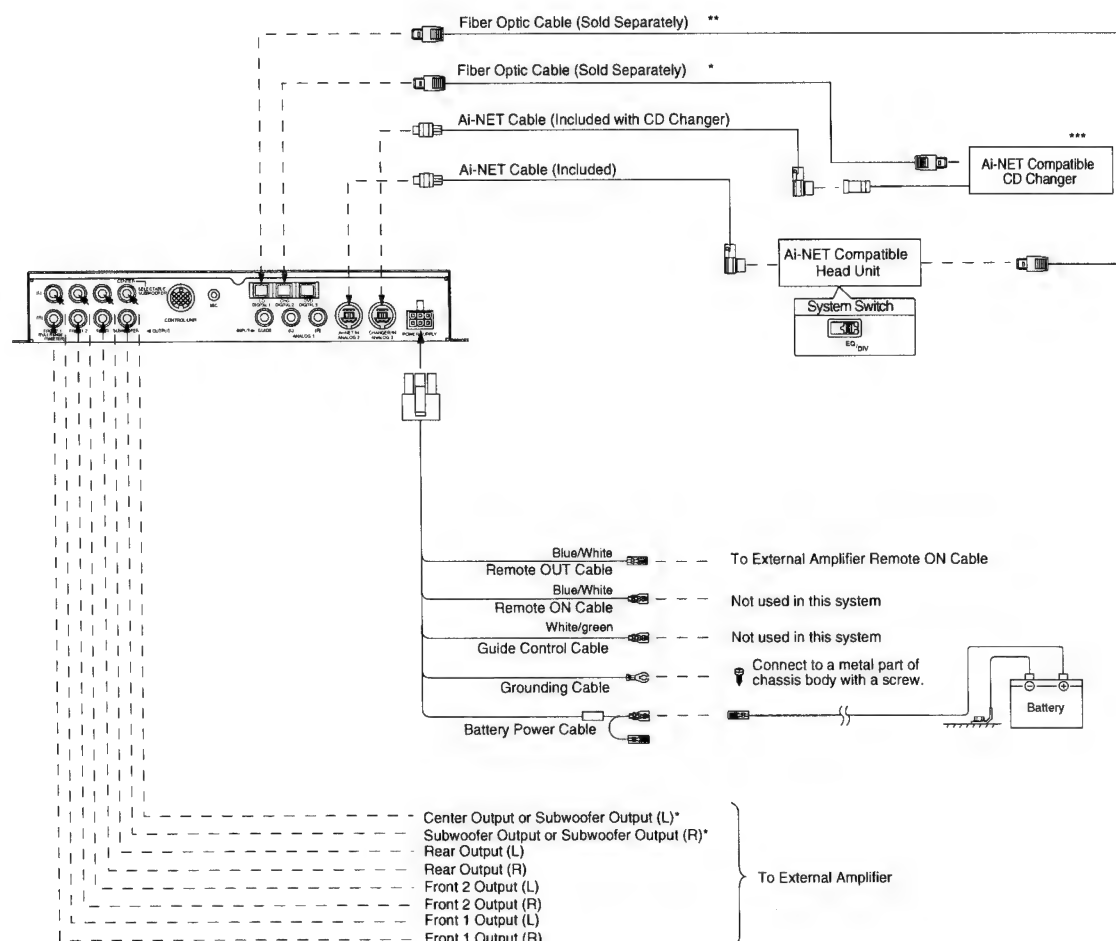
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NOTE

* Used for connection to an optical digital compatible head unit.

• PXA-H700 + Ai-NET Compatible Head Unit + CD Changer + External Amplifier



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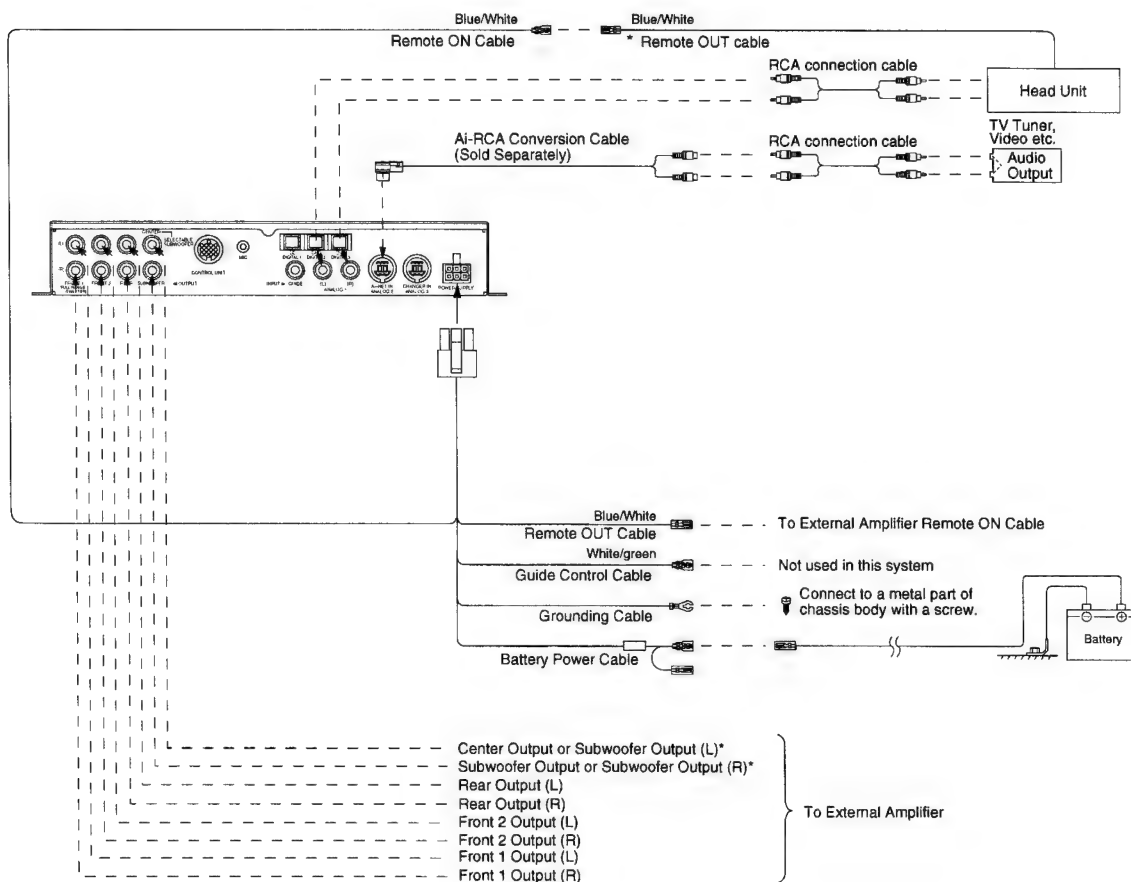
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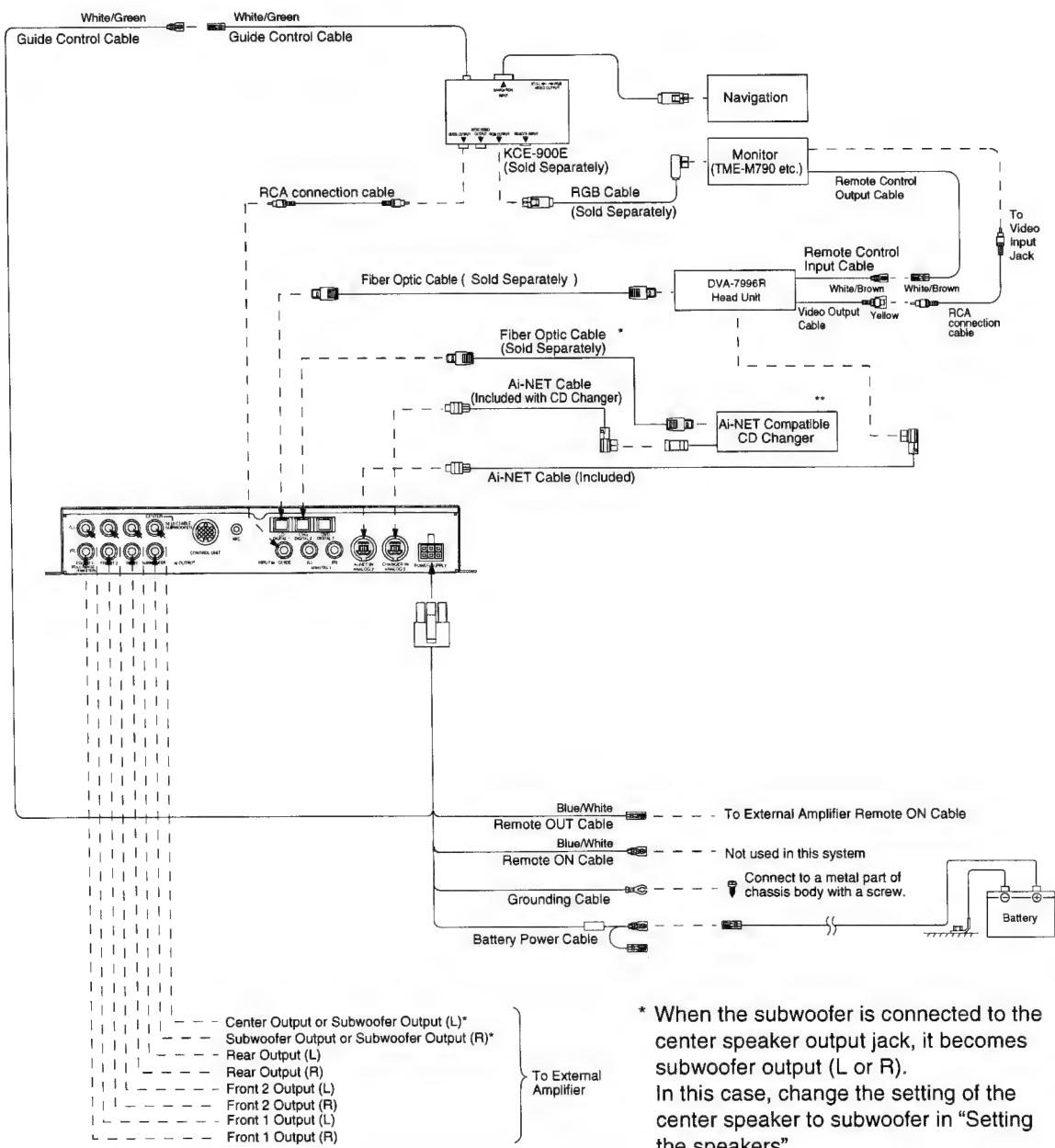


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• PXA-H700 + DVA-7996R Head Unit + CD Changer + Navigation System + Monitor + External Amplifier



NOTE
Depending on the type of monitor used in the system, a separate RGB conversion cable (KWE-503N) may be required. In addition, connections are different from the ones shown above when connecting to an all-purpose monitor. Also refer to the operating instructions of the KCE-900E. For details, contact your store of purchase or an Alpine Information Center.
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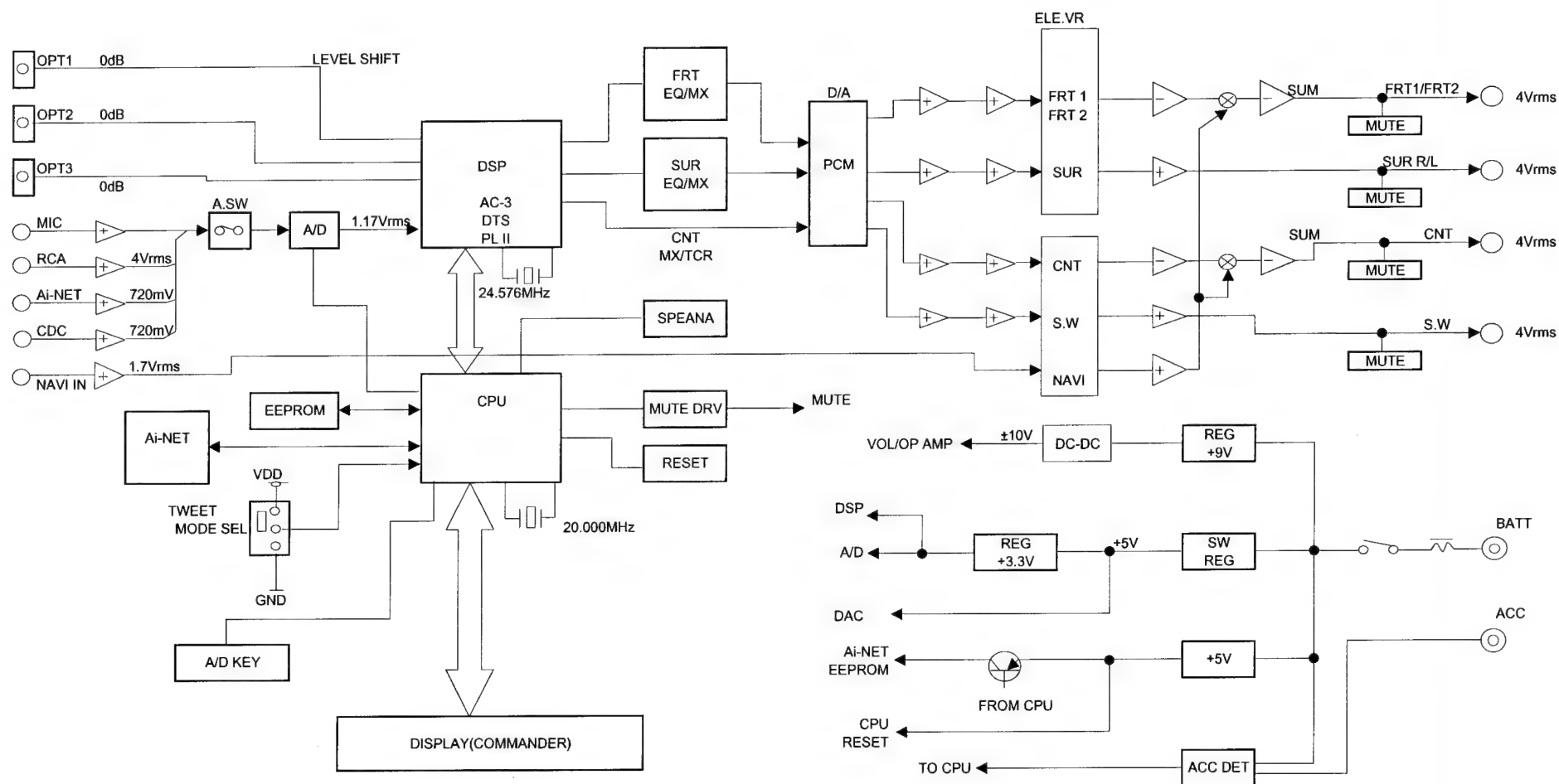
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NOTES

- * When connecting a Optical Digital CD Changer
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1	2

Block Diagram



<PROCESSOR Unit>

Parts Layout on P.W.Boards and Wiring Diagram

Schematic Diagram

Terminal Voltage of IC/TR

Description of IC Terminal

Exploded View (Cabinet) (PROCESSOR Unit)

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Parts Layout on P.W.Boards and Wiring Diagram (1/4)

PGA-H700

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MAIN P.W.Board (Component Side View)

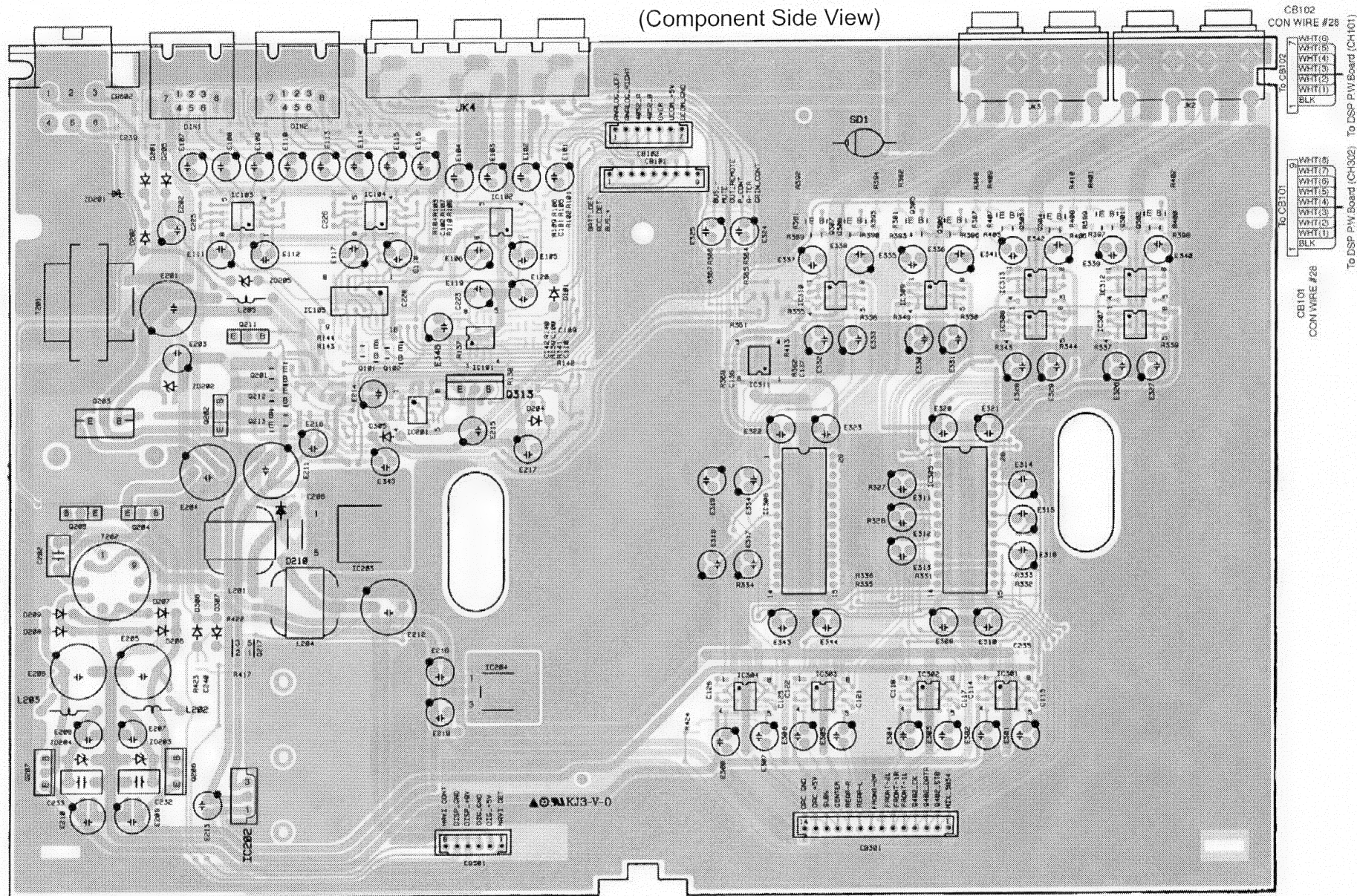
1

2

3

4

5



CB501
CON WIRE #28

To DSP P.W. Board (CH501)

To CB301
CON WIRE #28
To DSP P.W. Board (CH301)

CB301
CON WIRE #28

Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

A

B

C

D

E

F

G

Parts Layout on P.W.Boards and Wiring Diagram (2/4)

PXA-H700

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MAIN P.W.Board (Foil Side View)



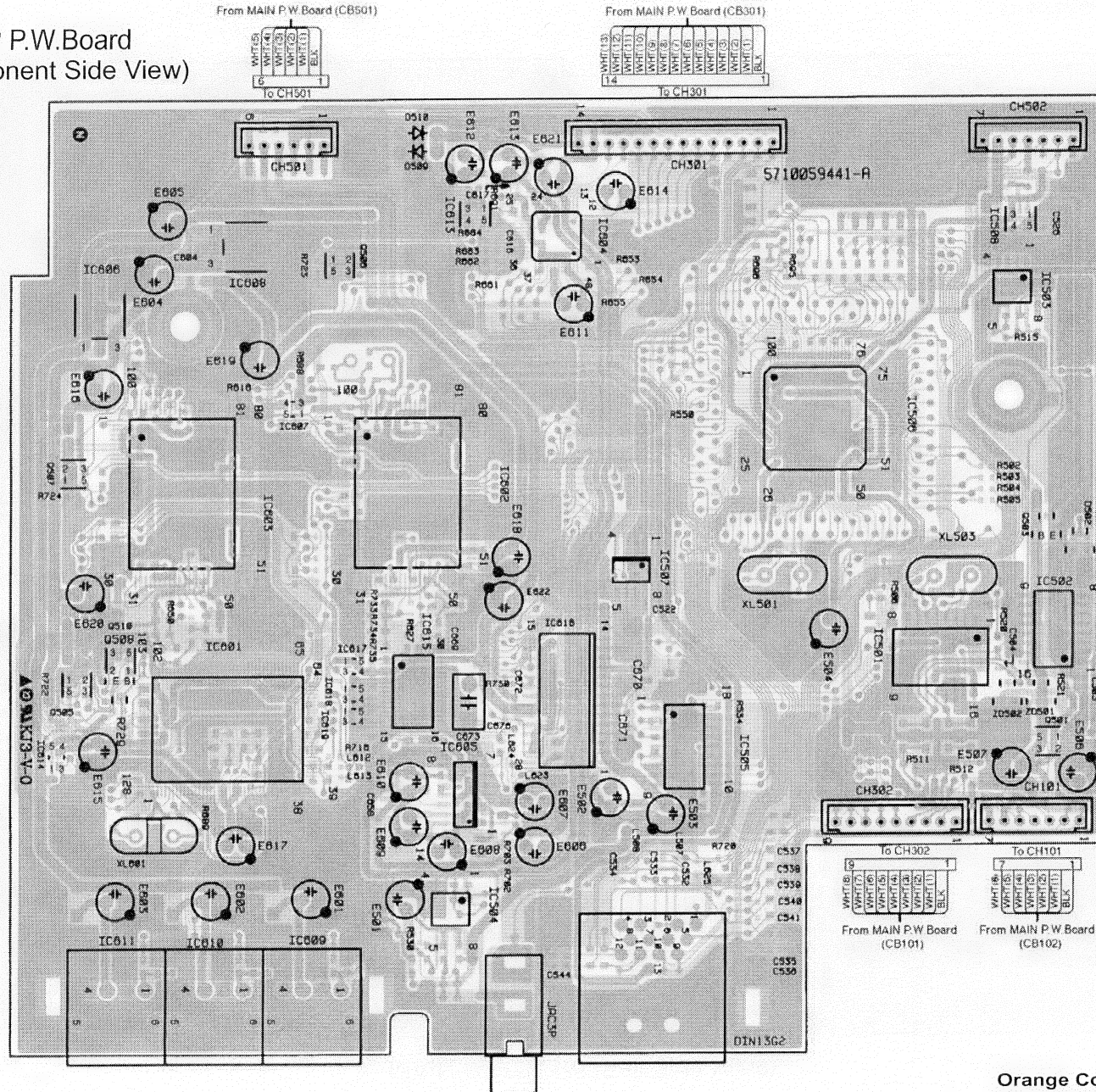
Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (3/4)

PXA-H700

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DSP P.W.Board
(Component Side View)



1

2

3

4

5

A

B

C

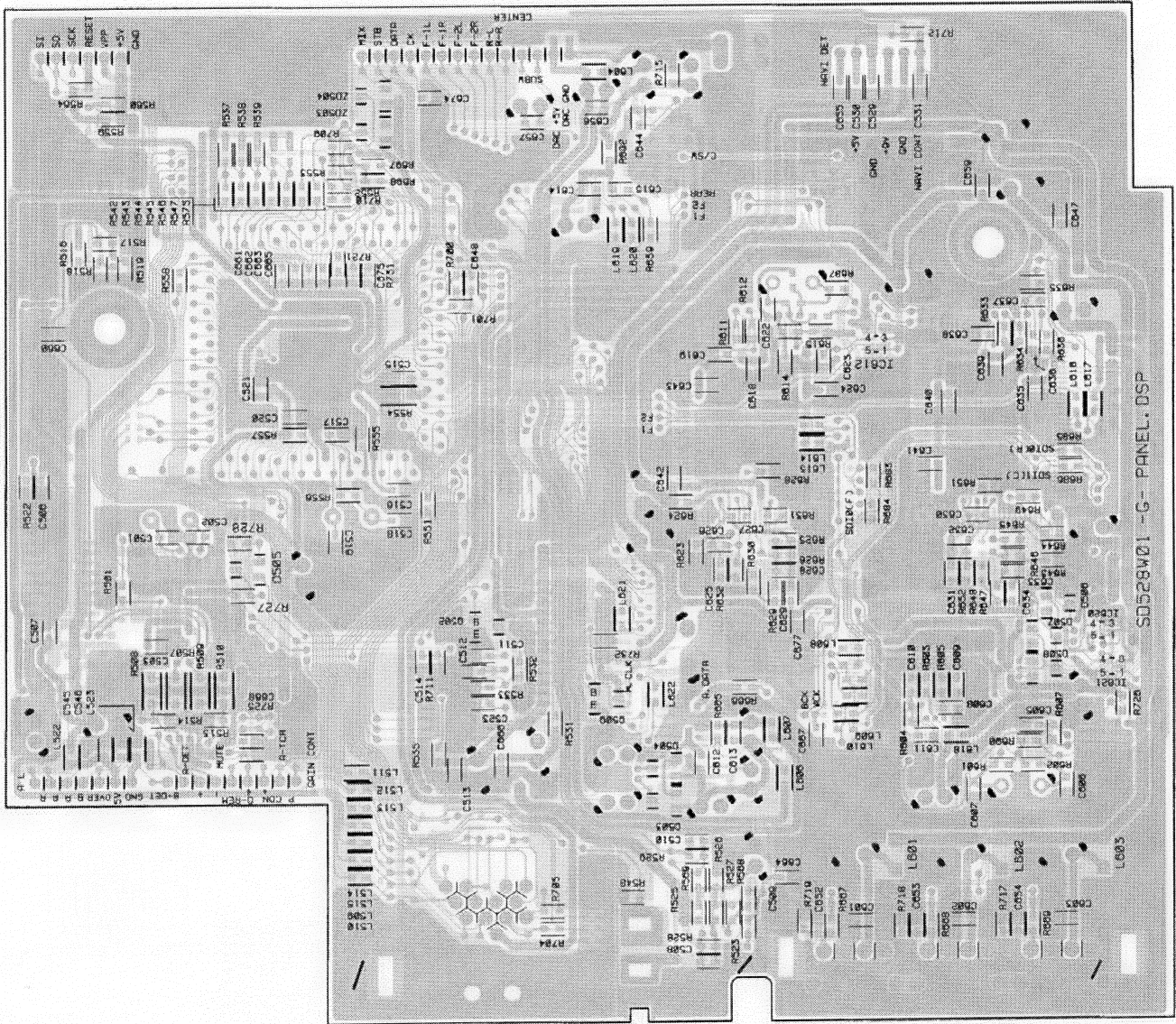
D

E

F

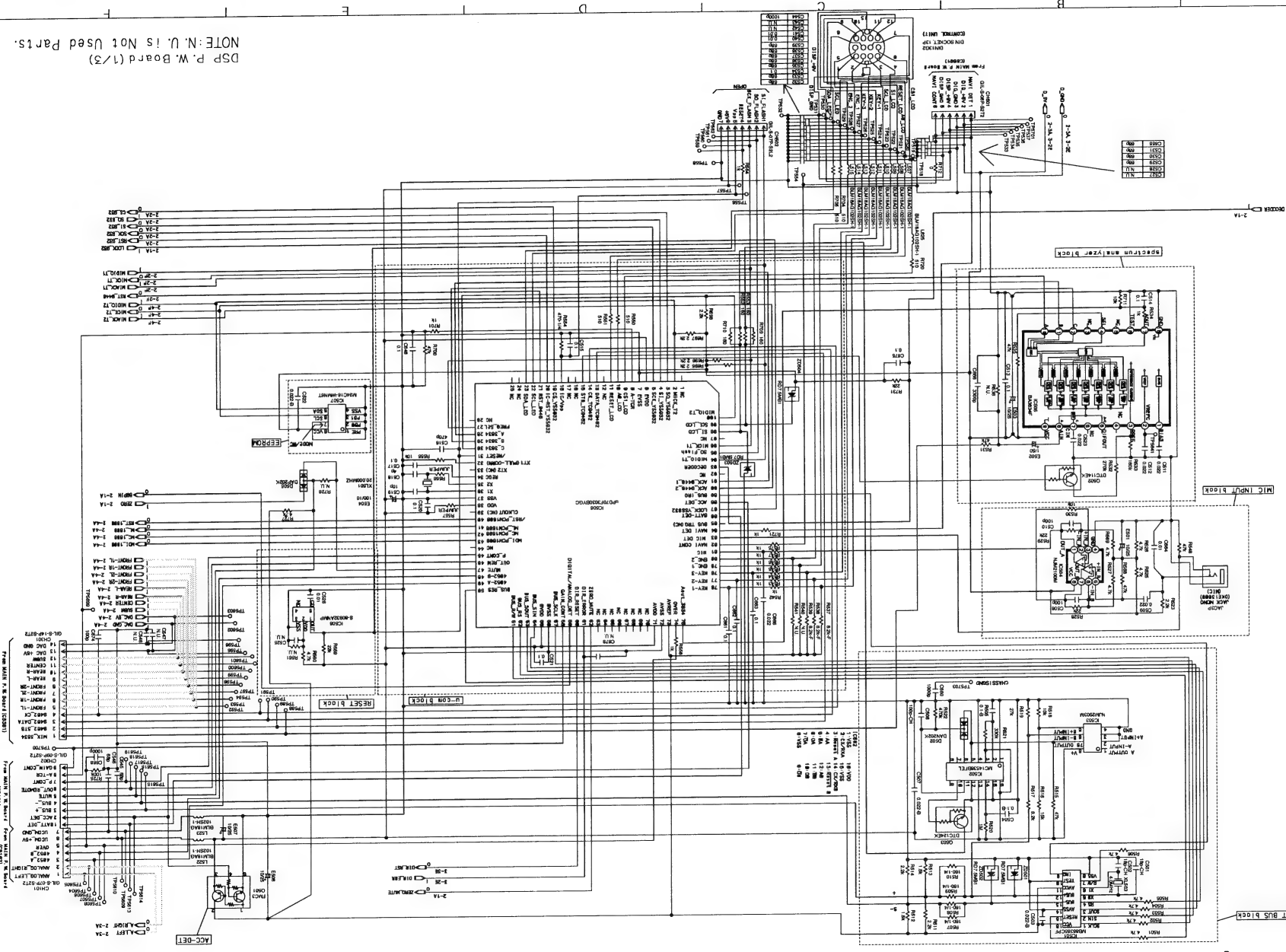
G

DSP P.W.Board (Foil Side View)



Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

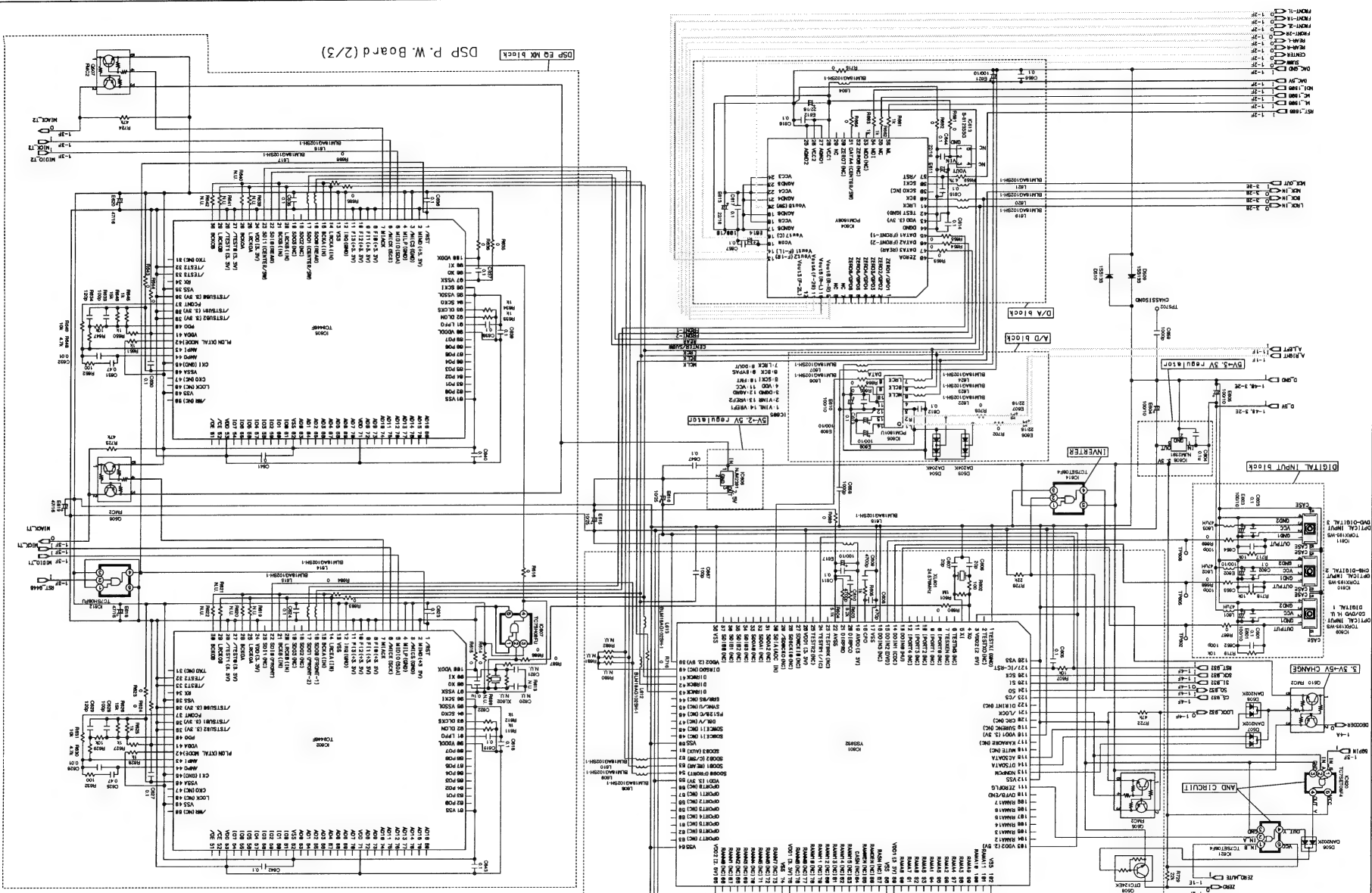
Schematic Diagram (2/4)



PXA-H700

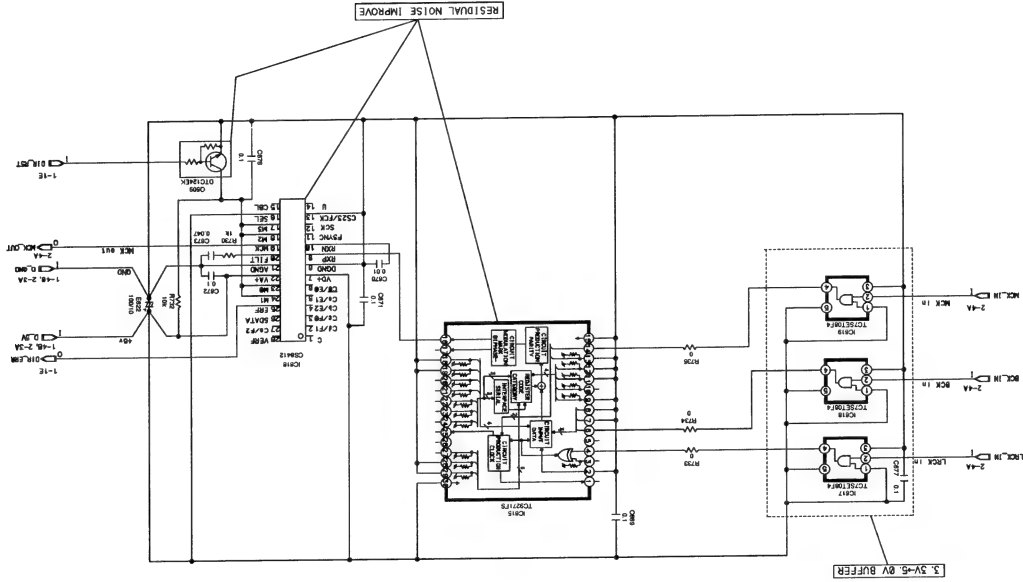
DSP P.W. Board (1/3)
NOTE: N.U. is Not Used Parts.

PXA-H700



Schematic Diagram (4/4)

PXA-H700



DSP P. W. Board (3/3)

TO CONTENTS

TO PARTS LIST

TO P. W. BOARD

Terminal Voltage of IC/TR

(MAIN P.W.Board)

IC101 to 104	1	4.9
	2	4.9
	3	4.9
	4	0
	5	4.9
	6	4.9
	7	4.9
	8	9.8

IC105	1	4.9
	2	4.9
	3	4.9
	4	4.9
	5	4.9
	6	0
	7	0
	8	0
	9	16
	10	9.8
	11	4.9
	12	4.9
	13	4.9
	14	4.9
	15	4.9
	16	9.8

IC201	1	4.15
	2	4.84
	3	2.56
	4	0
	5	4.93
	6	4.93
	7	4.93
	8	15.73

IC202	1	8
	2	0
	3	15.6

IC203	1	15
	2	5.2
	3	0
	4	4.98
	5	0

IC204	1	9.68
	2	0
	3	4.95

IC301 to 304	1	0
	2	0
	3	0
	4	-9.6
	5	0
	6	0
	7	0
	8	9.5

IC307 to 313	1	0
	2	0
	3	0
	4	-9.6
	5	0
	6	0
	7	0
	8	9.5

IC305	1	-9.5
	8	0
	9	0
	10	0
	11	0
	12	9.5
	13	0
	14	0
	15	0
	16	0
	17	9.5
	18	0
	19	0
	20	0
	21	0
	22	0
	23	0
	24	0
	25	0
	26	0
	27	9.5
	28	9.5

IC306	1	-9.5
	8	0
	9	0
	10	0
	11	0
	12	0
	13	0
	14	0
	15	0
	16	0
	17	0
	18	0
	19	0
	20	0
	21	0
	22	0
	23	0
	24	0
	25	0
	26	0
	27	9.5
	28	9.5

	1	2	3	4	5
Q216	5	0	4.9	4.8	0
Q217	0	5	5	0	0

	E	C	B
Q101	0	0	4.9
Q102	0	9.6	0
Q201	0	0	4.9
Q202	15.7	15.6	14.9
Q203	10.43	15.72	9.74
Q204	0	9.6	-0.8
Q205	0	9.6	-0.8
Q206	9.5	13.8	10.1
Q207	-9.5	-13.8	-10.3
Q208	0	0	10.4
Q209	0	15.6	0.6
Q210	15.6	0	14.9
Q211	15.6	15.6	14.9
Q212	0	15.7	0
Q213	15.7	0.3	15.7

	E	C	B
Q214	0	0	0.63
Q215	4.9	4.9	0
Q301	0	0	0
Q302	0	0	0
Q303	0	0	0
Q304	0	0	0
Q305	0	0	0
Q306	0	0	0
Q307	0	0	0
Q308	0	0	0
Q309	0	0	4.87
Q310	0	0	0
Q311	15.7	0	15.7
Q312	0	15.7	0
Q313	15.6	14.9	15.7

(DSP P.W.Board)

IC501			
1	4.9	9	0
2	0	10	0
3	0	11	4.9
4	4.9	12	2.3
5	1.9	13	2.8
6	1.9	14	0
7	4.9	15	4.9
8	0	16	4.9

IC502			
1	0	9	4.9
2	4.9	10	0
3	4.9	11	4.1
4	0	12	0
5	4.5	13	4.9
6	0	14	4.9
7	4.9	15	0
8	0	16	4.9

IC503	
1	0
2	0
3	0
4	0
5	1.9
6	1.5
7	4.5
8	5

IC504	
1	2.7
2	2.5
3	2.5
4	0
5	2.5
6	2.5
7	2.5
8	5

IC505			
1	2.5	10	2.4
2	1.6	11	2.5
3	2.5	12	2.5
4	1.6	13	2.5
5	2.5	14	2.9
6	2.5	15	2.9
7	2.5	16	0
8	2.5	17	0
9	5	18	0

IC507	
1	0
2	0
3	0
4	0
5	4.9
6	4.9
7	0
8	5

IC508	
1	4.9
2	0
3	0
4	3.3
5	4.9

IC506									
1	0	21	4.9	41	4.9	61	0	81	2.7
2	4.9	22	4.9	42	0	62	0	82	2.7
3	4.9	23	4.9	43	0	63	0	83	4.7
4	4.4	24	0	44	0	64	0	84	1.3
5	1.3	25	0	45	4.9	65	0	85	1.3
6	4.9	26	0	46	4.9	66	0	86	4.9
7	0	27	0	47	4.9	67	0	87	4.9
8	0	28	2.4	48	4.9	68	0	88	4.9
9	4.3	29	2.4	49	0	69	0	89	4.9
10	0.6	30	2.3	50	4.9	70	0	90	4.9
11	0.6	31	4.9	51	4.9	71	4.9	91	4.9
12	0	32	4.9	52	4.9	72	0	92	0
13	0	33	3.5	53	0	73	4.9	93	0
14	0	34	3.5	54	0	74	0	94	4.9
15	0	35	1.7	55	1.3	75	0	95	0
16	0	36	1.7	56	0	76	4.3	96	4.9
17	0	37	0	57	4.9	77	4.3	97	0
18	0	38	4.9	58	0	78	4.3	98	0.2
19	4.9	39	2.4	59	0	79	4.9	99	0.4
20	4.9	40	4.9	60	0	80	4.9	100	4.9

IC601							
1	0	33	0.9	65	2.5	97	0
2	3.3	34	3.3	66	0	98	0
3	2.5	35	3.3	67	0	99	0
4	1.5	36	3.3	68	0	100	0
5	1.7	37	3.3	69	0	101	0
6	3.3	38	0	70	0	102	0
7	3.3	39	2.5	71	0	103	2.5
8	3.3	40	0	72	0	104	1.5
9	3.3	41	0.2	73	0	105	0
10	3.3	42	1.7	74	0	106	0
11	3.3	43	1.7	75	0	107	0
12	3.3	44	3.3	76	0	108	0
13	0.4	45	3.2	77	0	109	0
14	0.4	46	1.7	78	0	110	3.1
15	0.4	47	0	79	0	111	0
16	0	48	3.3	80	0	112	0
17	0	49	3.3	81	0	113	0
18	0	50	0	82	0	114	0
19	3.3	51	0	83	0.8	115	0
20	2.1	52	0.7	84	0.8	116	0
21	2	53	1.3	85	3.3	117	0
22	0	54	1.3	86	3.3	118	3.3
23	3.3	55	3.3	87	3.3	119	0
24	4.9	56	3.3	88	3.3	120	0
25	3.3	57	3.3	89	3.3	121	3.3
26	3.3	58	0	90	3.3	122	0
27	3.3	59	0	91	0	123	4.9
28	3.3	60	0	92	0	124	3.3
29	1.7	61	0	93	0	125	1.3
30	1.3	62	0	94	3.3	126	1.3
31	0	63	0	95	0	127	4.9
32	0	64	0	96	0	128	0

IC602									
1	3.3	21	1.7	41	3.3	61	3.3	81	0
2	3.3	22	1.4	42	0	62	0	82	3.3
3	0	23	1.4	43	1.7	63	3.3	83	0
4	0	24	3.3	44	0	64	0	84	3.3
5	4.9	25	1.7	45	0	65	0	85	0
6	4.9	26	1.7	46	0	66	3.3	86	3.3
7	3.3	27	3.3	47	1.7	67	3.3	87	3.3
8	3.3	28	3.3	48	0	68	0	88	1.8
9	3.3	29	1.7	49	0	69	3.3	89	0
10	3.3	30	1.7	50	3.3	70	0	90	0
11	3.3	31	1.7	51	0	71	3.3	91	0
12	0	32	3.3	52	3.3	72	3.3	92	3.3
13	0	33	3.3	53	3.3	73	3.3	93	3.3
14	1.7	34	0	54	3.3	74	3.3	94	0
15	1.7	35	0	55	3.3	75	3.3	95	0
16	1.3	36	3.3	56	3.3	76	3.3	96	0
17	1.3	37	1.7	57	3.3	77	0	97	0
18	1.2	38	3.3	58	3.3	78	3.3	98	1.8
19	0.6	39	3.3	59	3.3	79	0	99	1.5
20	0.7	40	1.7	60	3.3	80	3.3	100	3.3

IC603									
1	3.3	21	1.7	41	3.3	61	3.3	81	0
2	3.3	22	1.6	42	0	62	0	82	0
3	0	23	1.6	43	1.6	63	0	83	0
4	0	24	3.3	44	0.6	64	0	84	0
5	4.9	25	2.1	45	0	65	0	85	0
6	4.9	26	1.7	46	0	66	0	86	0
7	3.3	27	3.3	47	1.7	67	0	87	0
8	3.3	28	3.3	48	0	68	0	88	0
9	3.3	29	1.7	49	0	69	0	89	0
10	3.3	30	1.7	50	3.3	70	0	90	0
11	3.3	31	1.7	51	0	71	3.3	91	0
12	0	32	3.3	52	3.3	72	0	92	3.3
13	0	33	3.3	53	3.3	73	0	93	3.3
14	1.7	34	4	54	3.3	74	0	94	3.3
15	1.7	35	0	55	3.3	75	0	95	0
16	1.1	36	3.3	56	3.3	76	0	96	0
17	1	37	2.5	57	3.3	77	0	97	0
18	0	38	3.3	58	3.3	78	0	98	0.9
19	0	39	3.3	59	3.3	79	0	99	1.5
20	1.7	40	1.7	60	3.3	80	0	100	3.3

IC604							
1	0	13	2.5	25	0	37	4.7
2	0	14	2.5	26	4.9	38	1.7
3	0	15	2.5	27	0	39	1.6
4	0	16	2.5	28	4.9	40	1.7
5	0	17	0	29	4.9	41	1.7
6	0	18	4.9	30	0	42	0
7	2.5	19	0	31	1	43	3.3
8	2.5	20	3.7	32	0	44	0
9	2.5	21	0	33	0	45	1.3
10	2.5	22	4.9	34	0	46	1.6
11	2.5	23	0	35	0	47	1
12	2.5	24	4.9	36	4.8	48	0

IC605			
1	2.1	8	1.6
2	2.1	9	4.9
3	0	10	4.9
4	4.9	11	4.9
5	1.7	12	0
6	1.7	13	3
7	1.7	14	2.1

IC606	
1	4.9
2	0
3	2.5

IC607	
1	3.3
2	1.5
3	0
4	1.6
5	3.3

IC608	
1	4.9
2	0
3	3.3

IC609 to 611	
1	0
2	0
3	4.8
4	0
5	0

IC612	
1	3.3
2	4.9
3	0
4	3.3
5	3.3

IC613	
1	0
2	4.9
3	3.3
4	1.1
5	1.1

IC614	
1	4.9
2	4.9
3	0
4	4.9
5	4.9

IC615			
1	0.8	16	2.3
2	0	17	2.4
3	4.9	18	2.4
4	2.5	19	0
5	2.5	20	5
6	2.4	21	5
7	0	22	5
8	0	23	5
9	5	24	5
10	0	25	2.5
11	0	26	2.5
12	0	27	5
13	0	28	0
14	2.4	29	0
15	0	30	5

IC616			
1	0.2	15	0.8
2	0	16	5
3	5	17	0
4	0	18	0
5	5	19	2
6	5	20	1.6
7	5	21	0
8	0	22	5
9	2.4	23	0
10	1.7	24	0
11	2.5	25	0
12	2.5	26	0
13	0	27	5
14	0	28	0

IC617 to 619	
1	4.9
2	1.7
3	0
4	1.7
5	4.9

IC620	
1	0
2	3.3
3	0
4	0
5	4.9

IC621	
1	0
2	0
3	0
4	0
5	4.9

	E	C	B
Q502	0	0.5	0
Q503	0	4.9	0
Q508	0	4.9	0

	1	2	3	4	5
Q501	4.9	0	0	4.9	4.9
Q505	4.9	0	0	3.3	4.9
Q506	4.9	0	0	3.3	5
Q507	4.8	0	0	3.3	4.9
Q510	0	0	4.9	0	4.9

[Measuring Conditions]

1. Power Supply Voltage : DC16V
2. Measuring Meter : Digital Multi Voltmeter
3. Measuring Point Reference : Between GND
4. Measuring Condition : No Load resistor

Description of IC Terminal

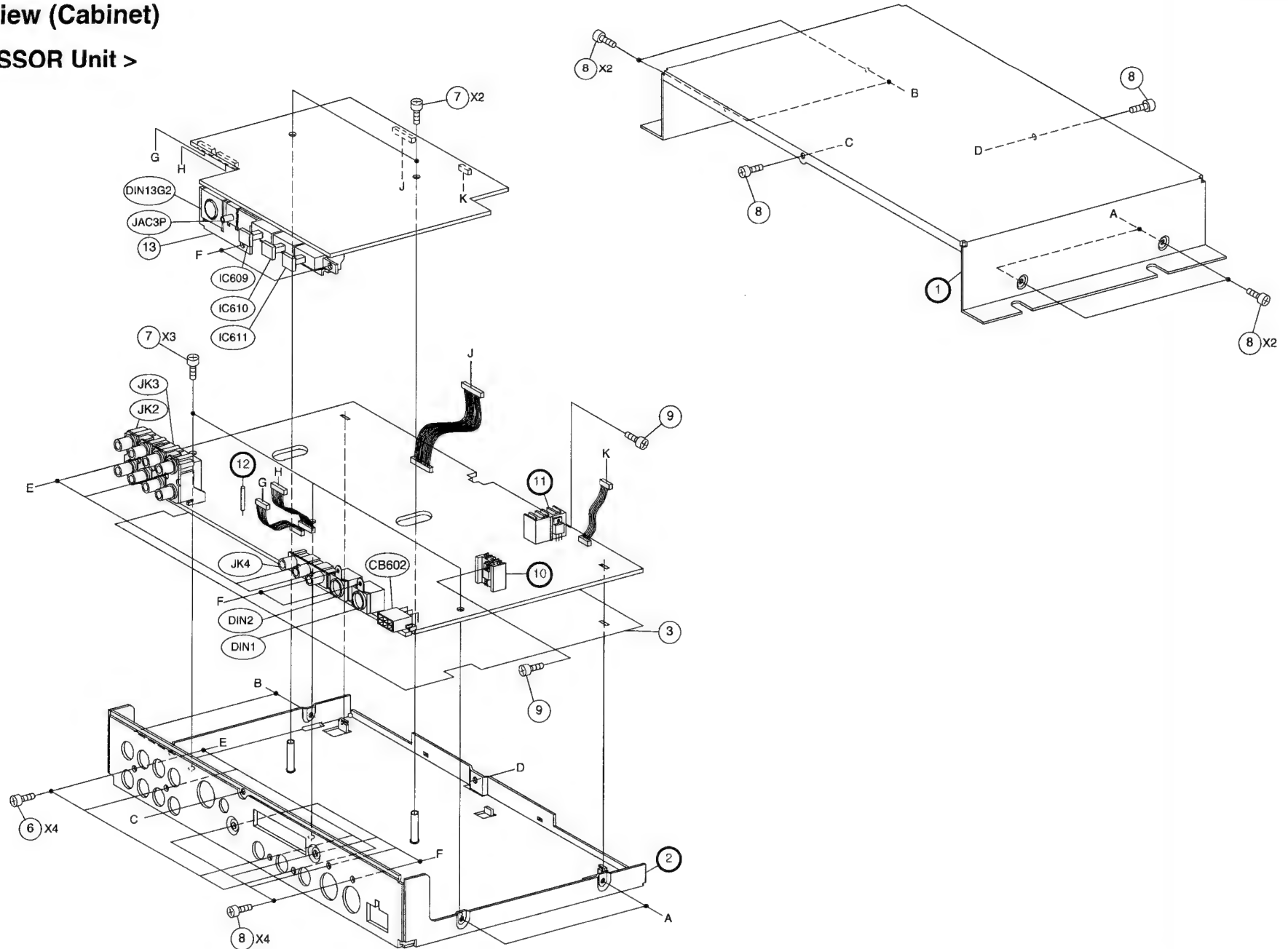
UPD70F3033BYGC : IC506

No.	Symbol	I/O	Terminal Description
1	NC	-	No connect terminal.
2	MICK_T2	O	SCL output terminal to TC9446F (IC603).
3	SO_YSS932	I	SO input terminal from YSS932 (IC601).
4	SI_YSS932	O	SI output terminal to YSS932 (IC601).
5	SCK_YSS932	O	SCK output terminal to YSS932 (IC601).
6	EVDD	-	+3.3V connect terminal.
7	EVSS	-	GND connect terminal.
8	A-TCR	O	A-TCR pulse-out terminal.
9	CS1_LCD	O	CS1 output terminal to LCD Driver.
10	AO_LCD	O	AO output terminal to LCD Driver.
11	RESET_LCD	O	RESET output terminal to LCD Driver.
12	NC	-	No connect terminal.
13	DATA_TC9482	O	Data output terminal to TC9482N (E-VOL).
14	CK_TC9482	O	CK output terminal to TC9482N (E-VOL).
15	STB_TC9482	O	STB output terminal to TC9482N (E-VOL).
16	NC	-	No connect terminal.
17			
18	IC/Vpp	-	Flash writing Vpp terminal.
19	CS_YSS932	O	CS output terminal to YSS932 (IC601).
20	IC-RST_YSS932	O	RESET output terminal to YSS932 (IC601).
21	RST_9446	O	RESET output terminal to TC9446F (IC602, 603).
22	SCL_LED	O	SCL output terminal to LED Driver (BU2098F).
23	SDA_LED	O	SDA output terminal to LED Driver (BU2098F).
24	NC	-	No connect terminal.
25			
26			
27	FREQ_SEL	O	SPE-ANA frequency select terminal. (H : FREQ-1 \leftrightarrow L : FREQ-2)
28	A_3834	O	BA3834F (SPE-ANA) switching terminal.
29	B_3834		
30	C_3834		
31	/RESET	I	u-COM RESET input terminal.
32	XT1(PULL-DOWN)	-	Pull-down connect terminal.
33	XT2(NC)	-	No connect terminal.
34	REGC	-	Capacitor connect terminal for regulator.
35	X2	-	OSC connect terminal for system clock generation. (20MHz)
36	X1		
37	VSS	-	GND connect terminal.
38	VDD	-	+5V connect terminal.
39	CLKOUT(NC)	-	No connect terminal.
40	/RST PCM1608	O	RESET output terminal to PCM1608Y.
41	ML PCM1608	O	ML (latch enable) output terminal to PCM1608Y.
42	MC PCM1608	O	MC (clock) output terminal to PCM1608Y.
43	MDI PCM1608	O	MDI (data) output terminal to PCM1608Y.
44	NC	-	No connect terminal.
45	P_CONT	O	POWER control terminal of system AUDIO.
46	OUT_REM	O	OUT-REMOTE ON/OFF terminal. (conform Ai-NET command.)
47	MUTE	O	MUTE control terminal of system AUDIO.

No.	Symbol	I/O	Terminal Description
48	4052-B	O	ANALOG input switching terminal.
49	4052-A		
50	BUS_RES	O	RESET output terminal to MB88385CPF (Ai-NET IC).
51	BUS_R/W	O	R/W output terminal to MB88385CPF (Ai-NET IC).
52	BUS_RS	I	RS input terminal from MB88385CPF (Ai-NET IC).
53	BUS_SOUT	I	SOUT input terminal from MB88385CPF (Ai-NET IC).
54	BUS_SIN	O	SIN output terminal to MB88385CPF (Ai-NET IC).
55	BVDD	-	+3.3V connect terminal.
56	BVSS	-	GND connect terminal.
57	BUS_SCLK	O	SCLK output terminal to MB88385CPF (Ai-NET IC).
58	GAIN CONT	O	Gain control output terminal
59	Digital/Analog	O	DIGITAL-IN/ANALOG-IN discrimination terminal.
60	DIR Reset	O	CS8412 RESET output terminal.
61	DIR Error	I	CS8412 DIR ERROR input terminal.
62	Zero Mute	O	DIGITAL-IN zero data discrimination terminal.
63	NC	-	No connect terminal.
64			
65			
71	AVDD	-	+5V connect terminal.
72	AVSS	-	GND connect terminal.
73	AVREF	-	+5V connect terminal. (ADC standard power supply)
74	OVER	I	ANALOG input over detect terminal. (indicate over by LCD.)
75	Aout_3834	I	Signal input terminal from BA3834F (SPE-ANA).
76	KEY-1	I	KEY input terminal.
77	KEY-2		
78	KEY-3		
79	ENC_1	I	Rotary Encoder pulse input terminal.
80	ENC_2		
81	MIC	I	Auto TCR MIC-IN input terminal.
82	NAVI CONT	I	NAVI voice guide control signal input terminal.
83	MIC DET	I	MIC/no MIC detect terminal.
84	NAVI DET	I	NAVI control signal discrimination terminal.
85	BUS TRG(NC)	-	No connect terminal.
86	BATT-DET	I	BATT-DET (less than 8.5V) detect terminal.
87	LOCK_YSS932	I	Lock loss detect terminal from YSS932.
88	ACC_DET	I	ACC-DET (ACC ON/OFF) detect terminal.
89	BUS_IRQ	I	IRQ input terminal from MB88385CPF (Ai-NET IC).
90	ACK_9446_2	I	Over control detect terminal TC9446F (IC603).
91	ACK_9446_1		
92	NC	-	No connect terminal.
93	Decoder	I	Dolby/DTS decoding condition detect terminal.
94	MIDIO_T1	I/O	SDA input/output terminal to TC9446F (IC602). (both as Flash writing SI)
95	SO_Flash	O	Flash writing SO output terminal.
96	MICK_T1	O	SCK output terminal to TC9446F (IC602). (both as Flash writing SCK)
97	NC	-	No connect terminal.
98	SI_LCD	O	SI output terminal to LCD Driver.
99	SCL_LCD	O	SCL output terminal to LCD Driver.
100	MIDIO_T2	I/O	SDA input/output terminal to TC9446F (IC603).

Exploded View (Cabinet)

< PROCESSOR Unit >



PXA-H700

Cabinet Assembly Parts List (PROCESSOR Unit)

Note : The part that has not PART NUMBER will not be supplied.

1	-----	TOP,COVER
2	-----	CHAS MAIN
3	14E34599S01	INSULATOR MAIN
6	03E09416S09	SCR M3X10(P)TPG-TPT (BLK)
7	03E09417S01	SCR M2.6X5(B)MCH-TPT (WHT)
8	03E22133S01	SCR M2.6X6(B)MCH-TPT(BLK)
9	03E09416S10	SCR M3X8(P)TPG-TPT(BLK)
10	-----	HEAT,SINK
11	-----	HEAT, SINK
12	-----	FORMING PIN
13	07E34587S01	BKT,CONNECTOR

PXA-H700

Electrical Parts List (PROCESSOR Unit)

*****MAIN P.W.Board

=====IC's

IC101	51E22130S01	IC, NJM 4560M-TE3
IC102	51E22130S01	IC, NJM 4560M-TE3
IC103	51E22130S01	IC, NJM 4560M-TE3
IC104	51E22130S01	IC, NJM 4560M-TE3
IC105	51E34585S01	IC NJU4052B
IC201	51T85450W01	IC,TDA3606
IC202	51E34570S01	IC,REG,NJM7808FA,TO-220F
IC203	51T15571Y02	IC,LM2575S-5.0V
IC204	51E34586S01	IC REG NJM7805SP-T252
IC301	51E22130S01	IC, NJM 4560M-TE3
IC302	51E22130S01	IC, NJM 4560M-TE3
IC303	51E22130S01	IC, NJM 4560M-TE3
IC304	51E22130S01	IC, NJM 4560M-TE3
IC305	51T45591Y01	TC9482N-DIP28
IC306	51T45591Y01	TC9482N-DIP28
IC307	51E22130S01	IC, NJM 4560M-TE3
IC308	51E22130S01	IC, NJM 4560M-TE3
IC309	51E22130S01	IC, NJM 4560M-TE3
IC310	51E22130S01	IC, NJM 4560M-TE3
IC311	51E22130S01	IC, NJM 4560M-TE3
IC312	51E22130S01	IC, NJM 4560M-TE3
IC313	51E22130S01	IC, NJM 4560M-TE3

=====Transistors

Q101	48E22093S01	TR,DTC 114EK-T146-CP
Q102	48E22093S01	TR,DTC 114EK-T146-CP
Q201	48E22093S01	TR,DTC 114EK-T146-CP
Q202	48E09399S01	TR,2SB 1243,P,Q,R-TV4-RD
Q203	48E22877S01	TR, 2SC3693 M,L,K
Q204	48E22789S01	TR,2SD 1857P,Q,R-TV4-RD
Q205	48E22789S01	TR,2SD 1857P,Q,R-TV4-RD
Q206	48E10027S01	TR,KSC 2690A-Y
Q207	48E05943S01	TR,KSA 1220A-Y
Q208	48E10426S01	TR,DTC 124EK-T146-CP
Q209	48E22903S01	TR,DTC 143EK-T-146-CP
Q210	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q211	48E09399S01	TR,2SB 1243,P,Q,R-TV4-RD
Q212	48E22555S01	TR,DTC 144EK-T146-CP
Q213	48E22901S01	TR,DTA 114EK-T-146-CP
Q214	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q215	48E22092S01	TR,DTA 124EK-T146-CP
Q216	48E11274S01	TR,FMC2-T-149-CP
Q217	48E11274S01	TR,FMC2-T-149-CP
Q301	48T63788F01	TR, CP, 2SD1328-TX
Q302	48T63788F01	TR, CP, 2SD1328-TX
Q303	48T63788F01	TR, CP, 2SD1328-TX
Q304	48T63788F01	TR, CP, 2SD1328-TX
Q305	48T63788F01	TR, CP, 2SD1328-TX
Q306	48T63788F01	TR, CP, 2SD1328-TX
Q307	48T63788F01	TR, CP, 2SD1328-TX
Q308	48T63788F01	TR, CP, 2SD1328-TX
Q309	48E34582S01	TR DTC 114EK
Q310	48T63788F01	TR, CP, 2SD1328-TX

Q311	48E22901S01	TR,DTA 114EK-T-146-CP
Q312	48E34582S01	TR DTC 114EK
Q313	48E34571S01	TR,KTA1036-Y

=====Diodes

D101	48E22916S01	DIO,1SS133-T-77-AX
D201	48E20758S01	DIO,11ES2-TA1B2-AX
D202	48E20758S01	DIO,11ES2-TA1B2-AX
D203	48E10946S01	DIO,DA,204K-J-146-CP
D204	48E22916S01	DIO,1SS133-T-77-AX
D205	48E20758S01	DIO,11ES2-TA1B2-AX
D206	48T55247W01	DIO,11EQS04-A5
D207	48T55247W01	DIO,11EQS04-A5
D208	48T55247W01	DIO,11EQS04-A5
D209	48T55247W01	DIO,11EQS04-A5
D210	48E33852S01	DIODE,SS14-6600
D301	48E23841S01	DIO,DAP,202K-T-146-CP
D302	48E23841S01	DIO,DAP,202K-T-146-CP
D303	48E23841S01	DIO,DAP,202K-T-146-CP
D304	48E23841S01	DIO,DAP,202K-T-146-CP
D305	48E22916S01	DIO,1SS133-T-77-AX
D306	48E22916S01	DIO,1SS133-T-77-AX
D307	48E22916S01	DIO,1SS133-T-77-AX
SD1	48T68580F03	DIO,SI DSA3A4F5
ZD201	48T25064Y02	DIO, ZEN ZSH5MA27A-ED
ZD202	48E27844S01	DIO,ZEN,MTZ-J-10-C-AX
ZD203	48E27844S01	DIO,ZEN,MTZ-J-10-C-AX
ZD204	48E27844S01	DIO,ZEN,MTZ-J-10-C-AX
ZD205	48E24378S01	DIO,ZEN,MTZ-J-5.6-C-AX

=====Filters

L101	24T95456W12	EMI BLM18AG102SH-1-CP
L102	24T95456W12	EMI BLM18AG102SH-1-CP
L103	24T95456W12	EMI BLM18AG102SH-1-CP
L104	24T95456W12	EMI BLM18AG102SH-1-CP
L105	24T95456W12	EMI BLM18AG102SH-1-CP
L106	24T95456W12	EMI BLM18AG102SH-1-CP
L107	24T95456W12	EMI BLM18AG102SH-1-CP
L108	24T95456W12	EMI BLM18AG102SH-1-CP

=====Coils

L201	24E33872S01	COIL,470uH(SMD1280)
L202	24E09406S01	COIL,IND 102K-AX
L203	24E09406S01	COIL,IND 102K-AX
L204	24E33872S01	COIL,470uH(SMD1280)
L205	24E09405S01	COIL,IND,101K-AX

=====Transformers

T201	25E24351S01	CHOKE TRANS
T202	25T35113Y01	TRANS, LC128

=====Capacitors

C101	08E28761S01	CAP,CER 22R-J-SL1H-CP
C102	08E28761S01	CAP,CER 22R-J-SL1H-CP
C103	08E28761S01	CAP,CER 22R-J-SL1H-CP
C104	08E28761S01	CAP,CER 22R-J-SL1H-CP
C105	08E28761S01	CAP,CER 22R-J-SL1H-CP
C106	08E28761S01	CAP,CER 22R-J-SL1H-CP
C108	08E33079S01	CAP,CER 104-Z-F1E-CP
C109	08E33079S01	CAP,CER 104-Z-F1E-CP
C110	08E33079S01	CAP,CER 104-Z-F1E-CP
C111	08E33236S01	CAP,CER 392-K-B1H-CP

C112	08E33236S01	CAP,CER 392-K-B1H-CP	C220	08E22899S01	CAP,CER.21- CG-101-J-CP
C113	08E28767S01	CAP,CER 271-J-SL1H-CP	C221	08E22899S01	CAP,CER.21- CG-101-J-CP
C114	08E28767S01	CAP,CER 271-J-SL1H-CP	C222	08E31820S01	CAP,CER 104-K-B1E-CP
C115	08E33236S01	CAP,CER 392-K-B1H-CP	C223	08E33079S01	CAP,CER 104-Z-F1E-CP
C116	08E33236S01	CAP,CER 392-K-B1H-CP	C224	08E31820S01	CAP,CER 104-K-B1E-CP
C117	08E28767S01	CAP,CER 271-J-SL1H-CP	C225	08E33079S01	CAP,CER 104-Z-F1E-CP
C118	08E28767S01	CAP,CER 271-J-SL1H-CP	C226	08E33079S01	CAP,CER 104-Z-F1E-CP
C119	08E33236S01	CAP,CER 392-K-B1H-CP	C228	08E33079S01	CAP,CER 104-Z-F1E-CP
C120	08E33236S01	CAP,CER 392-K-B1H-CP	C229	08S45539Y04	CAP, CER 103KX7R2J-CP
C121	08E28767S01	CAP,CER 271-J-SL1H-CP	C230	08E31820S01	CAP,CER 104-K-B1E-CP
C122	08E28767S01	CAP,CER 271-J-SL1H-CP	C231	08E31820S01	CAP,CER 104-K-B1E-CP
C123	08E33236S01	CAP,CER 392-K-B1H-CP	C232	08E31020S01	CAP, MF 104-J-63V-RD
C124	08E33236S01	CAP,CER 392-K-B1H-CP	C233	08E31020S01	CAP, MF 104-J-63V-RD
C125	08E28767S01	CAP,CER 271-J-SL1H-CP	C234	08E28769S01	CAP,CER 102-K-SL1H-CP
C126	08E28767S01	CAP,CER 271-J-SL1H-CP	C235	08E28769S01	CAP,CER 102-K-SL1H-CP
C127	08E28764S01	CAP,CER 101-J-SL1H-CP	C236	08E28769S01	CAP,CER 102-K-SL1H-CP
C128	08E28764S01	CAP,CER 101-J-SL1H-CP	C237	08E22083S01	CAP,CER.21-X7R-103-K-CP
C129	08E28764S01	CAP,CER 101-J-SL1H-CP	C238	08E22083S01	CAP,CER.21-X7R-103-K-CP
C130	08E28764S01	CAP,CER 101-J-SL1H-CP	C239	08E28771S01	CAP,CER 103-K-B1H-CP
C131	08E28764S01	CAP,CER 101-J-SL1H-CP	C240	08E33079S01	CAP,CER 104-Z-F1E-CP
C132	08E28764S01	CAP,CER 101-J-SL1H-CP	E101	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C133	08E28763S01	CAP,CER 47R-J-SL1H-CP	E102	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C134	08E28763S01	CAP,CER 47R-J-SL1H-CP	E103	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C136	08E28761S01	CAP,CER 22R-J-SL1H-CP	E104	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C137	08E33079S01	CAP,CER 104-Z-F1E-CP	E105	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C138	08E28761S01	CAP,CER 22R-J-SL1H-CP	E106	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C139	08E28761S01	CAP,CER 22R-J-SL1H-CP	E107	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C140	08E28761S01	CAP,CER 22R-J-SL1H-CP	E108	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C141	08E28761S01	CAP,CER 22R-J-SL1H-CP	E109	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C142	08E28761S01	CAP,CER 22R-J-SL1H-CP	E110	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C143	08E31812S01	CAP,CER 68R-J-SL1H-CP	E111	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C144	08E31812S01	CAP,CER 68R-J-SL1H-CP	E112	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C145	08E31812S01	CAP,CER 68R-J-SL1H-CP	E113	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C146	08E31812S01	CAP,CER 68R-J-SL1H-CP	E114	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C147	08E31812S01	CAP,CER 68R-J-SL1H-CP	E115	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C148	08E31812S01	CAP,CER 68R-J-SL1H-CP	E116	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C149	08E31812S01	CAP,CER 68R-J-SL1H-CP	E117	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C150	08E31812S01	CAP,CER 68R-J-SL1H-CP	E118	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD
C201	08S45539Y04	CAP, CER 103KX7R2J-CP	E119	23E31017S01	CAP ELEC SHL 10/25-M-RD
C202	08E30012S01	CAP,TF,MMTS 153-J-RD	E120	23E23849S01	CAP,ELEC,SHL 100/16-M-RD
C203	08E31820S01	CAP,CER 104-K-B1E-CP	E201	23E34583S01	CAP,ELEC,SHL,1000/16-M-RD
C204	08E31170S01	CAP,CER 223-K-B1H-CP	E202	23E33115S01	CAP,ELEC,SHL 1/50-M-RD
C205	08E31170S01	CAP,CER 223-K-B1H-CP	E203	23E33238S01	CAP ELEC SHL 33/25-M-RD
C206	08E33079S01	CAP,CER 104-Z-F1E-CP	E204	23E24400S01	CAP,ELEC,470/16-M-RD
C207	08E31820S01	CAP,CER 104-K-B1E-CP	E205	23E34583S01	CAP,ELEC,SHL,1000/16-M-RD
C208	08E22899S01	CAP,CER.21- CG-101-J-CP	E206	23E34583S01	CAP,ELEC,SHL,1000/16-M-RD
C209	08E22899S01	CAP,CER.21- CG-101-J-CP	E207	23E31018S01	CAP,ELEC,SHL 22/16-M-RD
C210	08E22899S01	CAP,CER.21- CG-101-J-CP	E208	23E31018S01	CAP,ELEC,SHL 22/16-M-RD
C211	08E22899S01	CAP,CER.21- CG-101-J-CP	E209	23E23850S01	CAP,ELEC,SHL 220/16-M-RD
C212	08E22899S01	CAP,CER.21- CG-101-J-CP	E210	23E23850S01	CAP,ELEC,SHL 220/16-M-RD
C213	08E22899S01	CAP,CER.21- CG-101-J-CP	E211	23E34583S01	CAP,ELEC,SHL,1000/16-M-RD
C214	08E22899S01	CAP,CER.21- CG-101-J-CP	E212	23E34583S01	CAP,ELEC,SHL,1000/16-M-RD
C215	08E22899S01	CAP,CER.21- CG-101-J-CP	E213	23E31018S01	CAP,ELEC,SHL 22/16-M-RD
C216	08E31820S01	CAP,CER 104-K-B1E-CP	E214	23E33238S01	CAP ELEC SHL 33/25-M-RD
C217	08E31820S01	CAP,CER 104-K-B1E-CP			
C218	08E22899S01	CAP,CER.21- CG-101-J-CP			
C219	08E31820S01	CAP,CER 104-K-B1E-CP			

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E215	23E22131S01	CAP,ELEC,SHL 330/10-M-RD	R106	06E31687S01	RES,CF,103-F-1/16-CP
E216	23E31017S01	CAP ELEC SHL 10/25-M-RD	R107	06E31810S01	RES,CF,223-F-1/16-CP
E217	23E33115S01	CAP,ELEC,SHL 1/50-M-RD	R108	06E31687S01	RES,CF,103-F-1/16-CP
E218	23E23849S01	CAP,ELEC,SHL 100/16-M-RD	R109	06E31687S01	RES,CF,103-F-1/16-CP
E219	23E23849S01	CAP,ELEC,SHL 100/16-M-RD	R110	06E31687S01	RES,CF,103-F-1/16-CP
E301	23E33117S01	CAP ELEC SHL 47/16-M-RD	R111	06E28537S01	RES,CF,104-J-1/16-CP
E302	23E33117S01	CAP ELEC SHL 47/16-M-RD	R112	06E28537S01	RES,CF,104-J-1/16-CP
E303	23E33117S01	CAP ELEC SHL 47/16-M-RD	R113	06E34581S01	RES,CF,331-F-1/16-CP
E304	23E33117S01	CAP ELEC SHL 47/16-M-RD	R114	06E31810S01	RES,CF,223-F-1/16-CP
E305	23E33117S01	CAP ELEC SHL 47/16-M-RD	R115	06E34581S01	RES,CF,331-F-1/16-CP
E306	23E33117S01	CAP ELEC SHL 47/16-M-RD	R116	06E31810S01	RES,CF,223-F-1/16-CP
E307	23E33117S01	CAP ELEC SHL 47/16-M-RD	R117	06E31810S01	RES,CF,223-F-1/16-CP
E308	23E33117S01	CAP ELEC SHL 47/16-M-RD	R118	06E31810S01	RES,CF,223-F-1/16-CP
E309	23E33117S01	CAP ELEC SHL 47/16-M-RD	R119	06E31810S01	RES,CF,223-F-1/16-CP
E310	23E33117S01	CAP ELEC SHL 47/16-M-RD	R120	06E31810S01	RES,CF,223-F-1/16-CP
E311	23E31016S01	CAP,ELEC,SHL 22/50-M-RD	R121	06E31810S01	RES,CF,223-F-1/16-CP
E312	23E31016S01	CAP,ELEC,SHL 22/50-M-RD	R122	06E31810S01	RES,CF,223-F-1/16-CP
E313	23E31016S01	CAP,ELEC,SHL 22/50-M-RD	R123	06E28537S01	RES,CF,104-J-1/16-CP
E314	23E31016S01	CAP,ELEC,SHL 22/50-M-RD	R124	06E28537S01	RES,CF,104-J-1/16-CP
E315	23E31016S01	CAP,ELEC,SHL 22/50-M-RD	R125	06E34581S01	RES,CF,331-F-1/16-CP
E316	23E31016S01	CAP,ELEC,SHL 22/50-M-RD	R126	06E31810S01	RES,CF,223-F-1/16-CP
E317	23E31016S01	CAP,ELEC,SHL 22/50-M-RD	R127	06E34581S01	RES,CF,331-F-1/16-CP
E318	23E31016S01	CAP,ELEC,SHL 22/50-M-RD	R128	06E31810S01	RES,CF,223-F-1/16-CP
E319	23E31016S01	CAP,ELEC,SHL 22/50-M-RD	R129	06E31810S01	RES,CF,223-F-1/16-CP
E320	23E33117S01	CAP ELEC SHL 47/16-M-RD	R130	06E31810S01	RES,CF,223-F-1/16-CP
E321	23E33117S01	CAP ELEC SHL 47/16-M-RD	R131	06E31810S01	RES,CF,223-F-1/16-CP
E322	23E33117S01	CAP ELEC SHL 47/16-M-RD	R132	06E31810S01	RES,CF,223-F-1/16-CP
E323	23E33117S01	CAP ELEC SHL 47/16-M-RD	R133	06E31810S01	RES,CF,223-F-1/16-CP
E324	23E31017S01	CAP ELEC SHL 10/25-M-RD	R134	06E31810S01	RES,CF,223-F-1/16-CP
E325	23E31017S01	CAP ELEC SHL 10/25-M-RD	R135	06E28537S01	RES,CF,104-J-1/16-CP
E326	23E31011S01	CAP,ELEC,SHL 0.47/50-M-RD	R136	06E28537S01	RES,CF,104-J-1/16-CP
E327	23E31011S01	CAP,ELEC,SHL 0.47/50-M-RD	R137	06E31160S01	RES,CF,473-J-1/16-CP
E328	23E31011S01	CAP,ELEC,SHL 0.47/50-M-RD	R138	06E31160S01	RES,CF,473-J-1/16-CP
E329	23E31011S01	CAP,ELEC,SHL 0.47/50-M-RD	R139	06E31161S01	RES,CF,563-J-1/16-CP
E330	23E31011S01	CAP,ELEC,SHL 0.47/50-M-RD	R140	06E28537S01	RES,CF,104-J-1/16-CP
E331	23E31011S01	CAP,ELEC,SHL 0.47/50-M-RD	R141	06E31160S01	RES,CF,473-J-1/16-CP
E332	23E31011S01	CAP,ELEC,SHL 0.47/50-M-RD	R142	06E31160S01	RES,CF,473-J-1/16-CP
E333	23E31011S01	CAP,ELEC,SHL 0.47/50-M-RD	R143	06E28535S01	RES,CF,223-J-1/16-CP
E334	23E31011S01	CAP,ELEC,SHL 0.47/50-M-RD	R144	06E28535S01	RES,CF,223-J-1/16-CP
E335	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD	R201	06E24363S01	RES,CF, 472-J-1/4-CP
E336	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD	R202	06E30007S01	RES,CF, 202-J-1/4-CP
E337	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD	R203	06E30007S01	RES,CF, 202-J-1/4-CP
E338	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD	R204	06E30007S01	RES,CF, 202-J-1/4-CP
E339	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD	R205	06E30006S01	RES,CF, 241-J-1/4-CP
E340	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD	R206	06E30008S01	RES,CF, 562-J-1/4-CP
E341	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD	R207	06E34580S01	RES,CF,301-J-1/16-CP
E342	23E31014S01	CAP,ELEC,SHL 4.7/50-M-RD	R208	06E34580S01	RES,CF,301-J-1/16-CP
E343	23E33117S01	CAP ELEC SHL 47/16-M-RD	R209	06E31805S01	RES,CF,753-J-1/16-CP
E344	23E33117S01	CAP ELEC SHL 47/16-M-RD	R210	06E31805S01	RES,CF,753-J-1/16-CP
E345	23E23850S01	CAP,ELEC,SHL 220/16-M-RD	R211	06E28534S01	RES,CF,103-J-1/16-CP
E346	23E31017S01	CAP ELEC SHL 10/25-M-RD	R212	06E22071S01	RES,CF 10R-J-1/4-CP
=====Resistors			R213	06E22071S01	RES,CF 10R-J-1/4-CP
R101	06E34581S01	RES,CF,331-F-1/16-CP	R214	06E22071S01	RES,CF 10R-J-1/4-CP
R102	06E31810S01	RES,CF,223-F-1/16-CP	R215	06E22071S01	RES,CF 10R-J-1/4-CP
R103	06E34581S01	RES,CF,331-F-1/16-CP	R216	06E28549S01	RES,CF,472-J-1/16-CP
R104	06E31810S01	RES,CF,223-F-1/16-CP	R217	06E28534S01	RES,CF,103-J-1/16-CP
R105	06E31810S01	RES,CF,223-F-1/16-CP	R218	06E22076S01	RES,CF, 222-J-1/4-CP

R219	06E22076S01	RES,CF, 222-J-1/4-CP	R349	06E28537S01	RES,CF,104-J-1/16-CP
R220	06E34579S01	RES,CF 0R0-J-1/8-CP	R350	06E28537S01	RES,CF,104-J-1/16-CP
R221	06E28537S01	RES,CF,104-J-1/16-CP	R351	06E28555S01	RES,CF,153-J-1/16-CP
R222	06E31161S01	RES,CF,563-J-1/16-CP	R352	06E28555S01	RES,CF,153-J-1/16-CP
R230	06E22076S01	RES,CF, 222-J-1/4-CP	R353	06E31801S01	RES,CF,182-J-1/16-CP
R231	06E28534S01	RES,CF,103-J-1/16-CP	R354	06E31801S01	RES,CF,182-J-1/16-CP
R232	06E33241S01	RES,CF,334-F-1/16-CP	R355	06E28537S01	RES,CF,104-J-1/16-CP
R233	06E33240S01	RES,CF,124-F-1/16-CP	R356	06E28537S01	RES,CF,104-J-1/16-CP
R234	06E31160S01	RES,CF,473-J-1/16-CP	R357	06E31160S01	RES,CF,473-J-1/16-CP
R235	06E31160S01	RES,CF,473-J-1/16-CP	R358	06E31160S01	RES,CF,473-J-1/16-CP
R236	06E28537S01	RES,CF,104-J-1/16-CP	R359	06E31152S01	RES,CF,152-J-1/16-CP
R301	06E32311S01	RES,CF,242-J-1/16-CP	R360	06E31152S01	RES,CF,152-J-1/16-CP
R302	06E32311S01	RES,CF,242-J-1/16-CP	R361	06E28535S01	RES,CF,223-J-1/16-CP
R303	06E32311S01	RES,CF,242-J-1/16-CP	R362	06E28624S01	RES,CF,0R0-J-1/16-CP
R304	06E32311S01	RES,CF,242-J-1/16-CP	R364	06E31149S01	RES,CF,221-J-1/16-CP
R305	06E28792S01	RES,CF,123-J-1/16-CP	R365	06E28535S01	RES,CF,223-J-1/16-CP
R306	06E28792S01	RES,CF,123-J-1/16-CP	R366	06E31149S01	RES,CF,221-J-1/16-CP
R307	06E32311S01	RES,CF,242-J-1/16-CP	R367	06E28535S01	RES,CF,223-J-1/16-CP
R308	06E32311S01	RES,CF,242-J-1/16-CP	R368	06E28535S01	RES,CF,223-J-1/16-CP
R309	06E32311S01	RES,CF,242-J-1/16-CP	R369	06E28534S01	RES,CF,103-J-1/16-CP
R310	06E32311S01	RES,CF,242-J-1/16-CP	R370	06E31682S01	RES,CF,393-J-1/16-CP
R311	06E28792S01	RES,CF,123-J-1/16-CP	R371	06E31682S01	RES,CF,393-J-1/16-CP
R312	06E28792S01	RES,CF,123-J-1/16-CP	R372	06E28534S01	RES,CF,103-J-1/16-CP
R313	06E32311S01	RES,CF,242-J-1/16-CP	R373	06E28534S01	RES,CF,103-J-1/16-CP
R314	06E32311S01	RES,CF,242-J-1/16-CP	R374	06E28534S01	RES,CF,103-J-1/16-CP
R315	06E32311S01	RES,CF,242-J-1/16-CP	R375	06E28534S01	RES,CF,103-J-1/16-CP
R316	06E32311S01	RES,CF,242-J-1/16-CP	R376	06E31682S01	RES,CF,393-J-1/16-CP
R317	06E28792S01	RES,CF,123-J-1/16-CP	R377	06E31682S01	RES,CF,393-J-1/16-CP
R318	06E28792S01	RES,CF,123-J-1/16-CP	R378	06E28534S01	RES,CF,103-J-1/16-CP
R319	06E32311S01	RES,CF,242-J-1/16-CP	R379	06E28534S01	RES,CF,103-J-1/16-CP
R320	06E32311S01	RES,CF,242-J-1/16-CP	R380	06E28534S01	RES,CF,103-J-1/16-CP
R321	06E32311S01	RES,CF,242-J-1/16-CP	R381	06E20752S01	RES,CF, 221-J-1/4-CP
R322	06E32311S01	RES,CF,242-J-1/16-CP	R382	06E31148S01	RES,CF,101-J-1/16-CP
R323	06E28792S01	RES,CF,123-J-1/16-CP	R383	06E31160S01	RES,CF,473-J-1/16-CP
R324	06E28792S01	RES,CF,123-J-1/16-CP	R384	06E28549S01	RES,CF,472-J-1/16-CP
R326	06E28537S01	RES,CF,104-J-1/16-CP	R385	06E28549S01	RES,CF,472-J-1/16-CP
R327	06E28537S01	RES,CF,104-J-1/16-CP	R386	06E31160S01	RES,CF,473-J-1/16-CP
R329	06E28537S01	RES,CF,104-J-1/16-CP	R387	06E20752S01	RES,CF, 221-J-1/4-CP
R330	06E28537S01	RES,CF,104-J-1/16-CP	R388	06E31148S01	RES,CF,101-J-1/16-CP
R331	06E28533S01	RES,CF,102-J-1/16-CP	R389	06E31160S01	RES,CF,473-J-1/16-CP
R332	06E28533S01	RES,CF,102-J-1/16-CP	R390	06E31160S01	RES,CF,473-J-1/16-CP
R333	06E28533S01	RES,CF,102-J-1/16-CP	R391	06E20752S01	RES,CF, 221-J-1/4-CP
R334	06E28533S01	RES,CF,102-J-1/16-CP	R392	06E31148S01	RES,CF,101-J-1/16-CP
R335	06E28533S01	RES,CF,102-J-1/16-CP	R393	06E20752S01	RES,CF, 221-J-1/4-CP
R336	06E28533S01	RES,CF,102-J-1/16-CP	R394	06E31148S01	RES,CF,101-J-1/16-CP
R337	06E28537S01	RES,CF,104-J-1/16-CP	R395	06E28549S01	RES,CF,472-J-1/16-CP
R338	06E28537S01	RES,CF,104-J-1/16-CP	R396	06E28549S01	RES,CF,472-J-1/16-CP
R339	06E28555S01	RES,CF,153-J-1/16-CP	R397	06E31160S01	RES,CF,473-J-1/16-CP
R340	06E28555S01	RES,CF,153-J-1/16-CP	R398	06E31160S01	RES,CF,473-J-1/16-CP
R341	06E31801S01	RES,CF,182-J-1/16-CP	R399	06E20752S01	RES,CF, 221-J-1/4-CP
R342	06E31801S01	RES,CF,182-J-1/16-CP	R400	06E20752S01	RES,CF, 221-J-1/4-CP
R343	06E28537S01	RES,CF,104-J-1/16-CP	R401	06E31148S01	RES,CF,101-J-1/16-CP
R344	06E28537S01	RES,CF,104-J-1/16-CP	R402	06E31148S01	RES,CF,101-J-1/16-CP
R345	06E28555S01	RES,CF,153-J-1/16-CP	R403	06E28549S01	RES,CF,472-J-1/16-CP
R346	06E28555S01	RES,CF,153-J-1/16-CP	R404	06E28549S01	RES,CF,472-J-1/16-CP
R347	06E31801S01	RES,CF,182-J-1/16-CP	R405	06E31160S01	RES,CF,473-J-1/16-CP
R348	06E31801S01	RES,CF,182-J-1/16-CP	R406	06E31160S01	RES,CF,473-J-1/16-CP

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R407	06E20752S01	RES,CF, 221-J-1/4-CP
R408	06E20752S01	RES,CF, 221-J-1/4-CP
R409	06E31148S01	RES,CF,101-J-1/16-CP
R410	06E31148S01	RES,CF,101-J-1/16-CP
R411	06E28549S01	RES,CF,472-J-1/16-CP
R412	06E28549S01	RES,CF,472-J-1/16-CP
R413	06E28537S01	RES,CF,104-J-1/16-CP
R417	06E31160S01	RES,CF,473-J-1/16-CP
R418	06E31810S01	RES,CF,223-F-1/16-CP
R419	06E28537S01	RES,CF,104-J-1/16-CP
R420	06E31155S01	RES,CF,392-J-1/16-CP
R421	06E28549S01	RES,CF,472-J-1/16-CP
R422	06E31687S01	RES,CF,103-F-1/16-CP
R423	06E31174S01	RES,CF,332-J-1/16-CP
R424	06E28535S01	RES,CF,223-J-1/16-CP
R425	06E20546S01	RES,CF, 47R-J-1/4-CP

=====Connectors

CB101	09E34578S01	CON WIRE #28
CB102	09E34576S01	CON WIRE#28
CB301	09E34577S01	CON WIRE #28
CB501	09E34575S01	CON WIRE #28

*****DSP P.W.Board

=====IC's

IC501	51T55070W05	MB88385CPF-ER-SE9
IC502	51T25370W01	IC,MC14538BFEL-SE6
IC503	51E23843S01	IC,NJM2903M-TE3
IC504	51E24381S01	IC,NJM 2100M-TE3
IC505	51T95048W01	BA3834F -SE9
IC506	51T65804Y01	IC,UPD70F3030BYGC
IC507	51T25162Y01	M24C16-WMN6T
IC508	51T15720Y09	IC,S-80932 ANMP
IC601	51T55423Y01	IC,YSS932-QT
IC602	51T55420Y01	IC,TC9446F-QT
IC603	51T55420Y01	IC,TC9446F-QT
IC604	51T55162Y01	IC,PCM1608Y(LQFP 48,100dB)
IC605	51T35707Y01	IC,PCM1801U
IC606	51E34598S01	IC REG NJM2391-2.5V-T252
IC607	51T15185Y01	IC TC7SH08FU-TE85L
IC608	51E33854S01	IC,REG NJM2391-33, T-252
IC612	51T15185Y01	IC TC7SH08FU-TE85L
IC613	51T15490Y03	IC S81233SG
IC614	51T25183Y02	IC TC7SET08F4
IC615	51T35213Y01	IC TC9271FS
IC616	51T95394W01	IC CS8412-SE9
IC617	51T25183Y02	IC TC7SET08F4
IC618	51T25183Y02	IC TC7SET08F4
IC619	51T25183Y02	IC TC7SET08F4
IC620	51T25183Y02	IC TC7SET08F4
IC621	51T25183Y02	IC TC7SET08F4

=====Transistors

Q501	48E26560S01	TR,FMC3-T-149-CP
Q502	48E22093S01	TR,DTC 114EK-T146-CP
Q503	48E10426S01	TR,DTC 124EK-T146-CP
Q505	48E11274S01	TR,FMC2-T-149-CP
Q506	48E11274S01	TR,FMC2-T-149-CP
Q507	48E11274S01	TR,FMC2-T-149-CP

Q508	48E10426S01	TR,DTC 124EK-T146-CP
Q509	48E10426S01	TR,DTC 124EK-T146-CP
Q510	48E11274S01	TR,FMC2-T-149-CP

=====Diodes

D502	48E10945S01	DIO,DAN 202K-T-146-CP
D503	48E10946S01	DIO,DA,204K-J-146-CP
D504	48E10946S01	DIO,DA,204K-J-146-CP
D505	48E23841S01	DIO,DAP,202K-T-146-CP
D506	48E10945S01	DIO,DAN 202K-T-146-CP
D507	48E10945S01	DIO,DAN 202K-T-146-CP
D508	48E10945S01	DIO,DAN 202K-T-146-CP
D509	48E22916S01	DIO,1SS133-T-77-AX
D510	48E22916S01	DIO,1SS133-T-77-AX
ZD501	48E34597S01	ZD,RD7.5MB1-CP
ZD502	48E34597S01	ZD,RD7.5MB1-CP
ZD503	48E34597S01	ZD,RD7.5MB1-CP
ZD504	48E34597S01	ZD,RD7.5MB1-CP

=====Filters

L507	24T95456W12	EMI BLM18AG102SH-1-CP
L508	24T95456W12	EMI BLM18AG102SH-1-CP
L509	24T95456W12	EMI BLM18AG102SH-1-CP
L510	24T95456W12	EMI BLM18AG102SH-1-CP
L511	24T95456W12	EMI BLM18AG102SH-1-CP
L512	24T95456W12	EMI BLM18AG102SH-1-CP
L513	24T95456W12	EMI BLM18AG102SH-1-CP
L514	24T95456W12	EMI BLM18AG102SH-1-CP
L515	24T95456W12	EMI BLM18AG102SH-1-CP
L522	24T95456W12	EMI BLM18AG102SH-1-CP
L523	24T95456W12	EMI BLM18AG102SH-1-CP
L604	24T95456W12	EMI BLM18AG102SH-1-CP
L606	24T95456W12	EMI BLM18AG102SH-1-CP
L607	24T95456W12	EMI BLM18AG102SH-1-CP
L608	24T95456W12	EMI BLM18AG102SH-1-CP
L609	24T95456W12	EMI BLM18AG102SH-1-CP
L610	24T95456W12	EMI BLM18AG102SH-1-CP
L612	24T95456W12	EMI BLM18AG102SH-1-CP
L613	24T95456W12	EMI BLM18AG102SH-1-CP
L614	24T95456W12	EMI BLM18AG102SH-1-CP
L615	24T95456W12	EMI BLM18AG102SH-1-CP
L616	24T95456W12	EMI BLM18AG102SH-1-CP
L617	24T95456W12	EMI BLM18AG102SH-1-CP
L618	24T95456W12	EMI BLM18AG102SH-1-CP
L619	24T95456W12	EMI BLM18AG102SH-1-CP
L620	24T95456W12	EMI BLM18AG102SH-1-CP
L621	24T95456W12	EMI BLM18AG102SH-1-CP
L622	24T95456W12	EMI BLM18AG102SH-1-CP
L623	24T95456W12	EMI BLM18AG102SH-1-CP
L624	24T95456W12	EMI BLM18AG102SH-1-CP
L625	24T95456W12	EMI BLM18AG102SH-1-CP

=====Coils

L601	24E33857S01	COIL,47uH(NLC322522T-0000)
L602	24E33857S01	COIL,47uH(NLC322522T-0000)
L603	24E33857S01	COIL,47uH(NLC322522T-0000)

=====Crystals

XL501	91T45119W07	XTL,AT-51 20.000M
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XL503	91T25773W16	XTL,4.000M-AT51	C614	08E33079S01	CAP,CER 104-Z-F1E-CP
XL601	91T85169W01	XTL, HC-49 24,576M-R5	C615	08E33079S01	CAP,CER 104-Z-F1E-CP
			C616	08E31820S01	CAP,CER 104-K-B1E-CP
=====Capacitors			C617	08E31820S01	CAP,CER 104-K-B1E-CP
C501	08E29171S01	CAP,CER 18R-J-SL1H-CP	C618	08E33079S01	CAP,CER 104-Z-F1E-CP
C502	08E29171S01	CAP,CER 18R-J-SL1H-CP	C619	08E33079S01	CAP,CER 104-Z-F1E-CP
C503	08E34595S01	CAP,CER 223-Z-B1H-CP	C622	08E33079S01	CAP,CER 104-Z-F1E-CP
C504	08E31820S01	CAP,CER 104-K-B1E-CP	C623	08E33079S01	CAP,CER 104-Z-F1E-CP
C505	08E31820S01	CAP,CER 104-K-B1E-CP	C624	08E33079S01	CAP,CER 104-Z-F1E-CP
C506	08E28764S01	CAP,CER 101-J-SL1H-CP	C625	08E34596S01	CAP,CER 2012-X7R-474-K-16V
C507	08E34595S01	CAP,CER 223-Z-B1H-CP	C626	08E33109S01	CAP,CER 103-Z-B1H-CP
C508	08E28764S01	CAP,CER 101-J-SL1H-CP	C627	08E33079S01	CAP,CER 104-Z-F1E-CP
C509	08E34595S01	CAP,CER 223-Z-B1H-CP	C628	08E28764S01	CAP,CER 101-J-SL1H-CP
C510	08E28764S01	CAP,CER 101-J-SL1H-CP	C629	08E31169S01	CAP,CER 121-J-SL1H-CP
C511	08E34595S01	CAP,CER 223-Z-B1H-CP	C630	08E33079S01	CAP,CER 104-Z-F1E-CP
C512	08E34595S01	CAP,CER 223-Z-B1H-CP	C631	08E34596S01	CAP,CER 2012-X7R-474-K-16V
C513	08E33079S01	CAP,CER 104-Z-F1E-CP	C632	08E33109S01	CAP,CER 103-Z-B1H-CP
C514	08E33079S01	CAP,CER 104-Z-F1E-CP	C633	08E28764S01	CAP,CER 101-J-SL1H-CP
C515	08E33079S01	CAP,CER 104-Z-F1E-CP	C634	08E31169S01	CAP,CER 121-J-SL1H-CP
C516	08E31939S01	CAP,CER 471-J-SL1H-CP	C635	08E33079S01	CAP,CER 104-Z-F1E-CP
C517	08E33079S01	CAP,CER 104-Z-F1E-CP	C636	08E33079S01	CAP,CER 104-Z-F1E-CP
C518	08E34593S01	CAP,CER 4R0-C-SL1H-CP	C637	08E33079S01	CAP,CER 104-Z-F1E-CP
C519	08E28760S01	CAP,CER 10R-D-SL1H-CP	C638	08E33079S01	CAP,CER 104-Z-F1E-CP
C520	08E33079S01	CAP,CER 104-Z-F1E-CP	C639	08E33079S01	CAP,CER 104-Z-F1E-CP
C521	08E33079S01	CAP,CER 104-Z-F1E-CP	C640	08E33079S01	CAP,CER 104-Z-F1E-CP
C522	08E31170S01	CAP,CER 223-K-B1H-CP	C641	08E33079S01	CAP,CER 104-Z-F1E-CP
C523	08E34595S01	CAP,CER 223-Z-B1H-CP	C642	08E33079S01	CAP,CER 104-Z-F1E-CP
C526	08E33109S01	CAP,CER 103-Z-B1H-CP	C643	08E33079S01	CAP,CER 104-Z-F1E-CP
C529	08E31812S01	CAP,CER 68R-J-SL1H-CP	C644	08E33079S01	CAP,CER 104-Z-F1E-CP
C530	08E31812S01	CAP,CER 68R-J-SL1H-CP	C647	08E33079S01	CAP,CER 104-Z-F1E-CP
C531	08E31812S01	CAP,CER 68R-J-SL1H-CP	C648	08E33079S01	CAP,CER 104-Z-F1E-CP
C532	08E31812S01	CAP,CER 68R-J-SL1H-CP	C652	08E28764S01	CAP,CER 101-J-SL1H-CP
C533	08E31812S01	CAP,CER 68R-J-SL1H-CP	C653	08E28764S01	CAP,CER 101-J-SL1H-CP
C534	08E31820S01	CAP,CER 104-K-B1E-CP	C654	08E28764S01	CAP,CER 101-J-SL1H-CP
C535	08E31812S01	CAP,CER 68R-J-SL1H-CP	C655	08E31812S01	CAP,CER 68R-J-SL1H-CP
C536	08E31812S01	CAP,CER 68R-J-SL1H-CP	C656	08E33079S01	CAP,CER 104-Z-F1E-CP
C537	08E31812S01	CAP,CER 68R-J-SL1H-CP	C657	08E33079S01	CAP,CER 104-Z-F1E-CP
C538	08E31812S01	CAP,CER 68R-J-SL1H-CP	C658	08E28769S01	CAP,CER 102-K-SL1H-CP
C539	08E31812S01	CAP,CER 68R-J-SL1H-CP	C659	08E28769S01	CAP,CER 102-K-SL1H-CP
C540	08E33109S01	CAP,CER 103-Z-B1H-CP	C660	08E28769S01	CAP,CER 102-K-SL1H-CP
C541	08E33109S01	CAP,CER 103-Z-B1H-CP	C661	08E33079S01	CAP,CER 104-Z-F1E-CP
C544	08E28769S01	CAP,CER 102-K-SL1H-CP	C662	08E33079S01	CAP,CER 104-Z-F1E-CP
C545	08E31812S01	CAP,CER 68R-J-SL1H-CP	C663	08E33079S01	CAP,CER 104-Z-F1E-CP
C546	08E31812S01	CAP,CER 68R-J-SL1H-CP	C664	08E33109S01	CAP,CER 103-Z-B1H-CP
C601	08E33079S01	CAP,CER 104-Z-F1E-CP	C665	08E34595S01	CAP,CER 223-Z-B1H-CP
C602	08E33079S01	CAP,CER 104-Z-F1E-CP	C666	08E34594S01	CAP,CER 332-K-B1H-CP
C603	08E33079S01	CAP,CER 104-Z-F1E-CP	C667	08E28764S01	CAP,CER 101-J-SL1H-CP
C604	08E31820S01	CAP,CER 104-K-B1E-CP	C668	08E28769S01	CAP,CER 102-K-SL1H-CP
C605	08E33079S01	CAP,CER 104-Z-F1E-CP	C669	08E31820S01	CAP,CER 104-K-B1E-CP
C606	08E32005S01	CAP,CER 20R-J-SL1H-CP	C670	08E33109S01	CAP,CER 103-Z-B1H-CP
C607	08E32005S01	CAP,CER 20R-J-SL1H-CP	C671	08E31820S01	CAP,CER 104-K-B1E-CP
C608	08E31939S01	CAP,CER 471-J-SL1H-CP	C672	08E31820S01	CAP,CER 104-K-B1E-CP
C609	08E31816S01	CAP,CER 472-K-B1H-CP	C673	08E22938S01	CAP,TF,MMTS 473-J-RD
C610	08E31816S01	CAP,CER 472-K-B1H-CP	C674	08E28764S01	CAP,CER 101-J-SL1H-CP
C611	08E33079S01	CAP,CER 104-Z-F1E-CP	C675	08E33079S01	CAP,CER 104-Z-F1E-CP
C612	08E33079S01	CAP,CER 104-Z-F1E-CP			
C613	08E33079S01	CAP,CER 104-Z-F1E-CP			

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C676	08E31820S01	CAP,CER 104-K-B1E-CP	R528	06E28535S01	RES,CF,223-J-1/16-CP
C677	08E33079S01	CAP,CER 104-Z-F1E-CP	R529	06E28535S01	RES,CF,223-J-1/16-CP
E501	23E31017S01	CAP ELEC SHL 10/25-M-RD	R530	06E28534S01	RES,CF,103-J-1/16-CP
E502	23E33115S01	CAP,ELEC,SHL 1/50-M-RD	R531	06E31160S01	RES,CF,473-J-1/16-CP
E503	23E31017S01	CAP ELEC SHL 10/25-M-RD	R532	06E28551S01	RES,CF,274-J-1/16-CP
E504	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R533	06E32203S01	RES,CF,164-J-1/16-CP
E506	23E31017S01	CAP ELEC SHL 10/25-M-RD	R534	06E28533S01	RES,CF,102-J-1/16-CP
E507	23E31017S01	CAP ELEC SHL 10/25-M-RD	R535	06E31160S01	RES,CF,473-J-1/16-CP
E601	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R537	06E31809S01	RES,CF,822-F-1/16-CP
E602	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R538	06E31809S01	RES,CF,822-F-1/16-CP
E603	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R539	06E31809S01	RES,CF,822-F-1/16-CP
E604	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R542	06E28533S01	RES,CF,102-J-1/16-CP
E605	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R543	06E28533S01	RES,CF,102-J-1/16-CP
E606	23E31018S01	CAP,ELEC,SHL 22/16-M-RD	R544	06E28533S01	RES,CF,102-J-1/16-CP
E607	23E31018S01	CAP,ELEC,SHL 22/16-M-RD	R545	06E28533S01	RES,CF,102-J-1/16-CP
E608	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R546	06E28533S01	RES,CF,102-J-1/16-CP
E609	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R547	06E28533S01	RES,CF,102-J-1/16-CP
E610	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R548	06E31160S01	RES,CF,473-J-1/16-CP
E611	23E31018S01	CAP,ELEC,SHL 22/16-M-RD	R550	06E33329S01	RES,CF,511-J-1/16-CP
E612	23E31018S01	CAP,ELEC,SHL 22/16-M-RD	R551	06E33329S01	RES,CF,511-J-1/16-CP
E613	23E31018S01	CAP,ELEC,SHL 22/16-M-RD	R552	06E34592S01	RES,CF,161-J-1/16-CP
E614	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R553	06E34592S01	RES,CF,161-J-1/16-CP
E615	23E31017S01	CAP ELEC SHL 10/25-M-RD	R554	06E22548S01	RES,CF, 471-J-1/4-CP
E616	23E31017S01	CAP ELEC SHL 10/25-M-RD	R555	06E28534S01	RES,CF,103-J-1/16-CP
E617	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R556	06E28624S01	RES,CF,0R0-J-1/16-CP
E618	23E33117S01	CAP ELEC SHL 47/16-M-RD	R557	06E28624S01	RES,CF,0R0-J-1/16-CP
E619	23E33117S01	CAP ELEC SHL 47/16-M-RD	R558	06E28533S01	RES,CF,102-J-1/16-CP
E620	23E33117S01	CAP ELEC SHL 47/16-M-RD	R559	06E28535S01	RES,CF,223-J-1/16-CP
E621	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R560	06E28549S01	RES,CF,472-J-1/16-CP
E622	23E31019S01	CAP,ELEC,SHL 100/10-M-RD	R564	06E28533S01	RES,CF,102-J-1/16-CP
=====Resistors			R568	06E31160S01	RES,CF,473-J-1/16-CP
R501	06E28549S01	RES,CF,472-J-1/16-CP	R569	06E28549S01	RES,CF,472-J-1/16-CP
R502	06E28549S01	RES,CF,472-J-1/16-CP	R575	06E28533S01	RES,CF,102-J-1/16-CP
R503	06E28549S01	RES,CF,472-J-1/16-CP	R601	06E31685S01	RES,CF,105-J-1/16-CP
R504	06E28549S01	RES,CF,472-J-1/16-CP	R602	06E31148S01	RES,CF,101-J-1/16-CP
R505	06E28549S01	RES,CF,472-J-1/16-CP	R603	06E31809S01	RES,CF,822-F-1/16-CP
R506	06E28549S01	RES,CF,472-J-1/16-CP	R604	06E31156S01	RES,CF,512-J-1/16-CP
R507	06E24394S01	RES,CF, 161R-J-1/4-CP	R605	06E28533S01	RES,CF,102-J-1/16-CP
R508	06E24394S01	RES,CF, 161R-J-1/4-CP	R607	06E28534S01	RES,CF,103-J-1/16-CP
R509	06E24394S01	RES,CF, 161R-J-1/4-CP	R611	06E28533S01	RES,CF,102-J-1/16-CP
R510	06E24394S01	RES,CF, 161R-J-1/4-CP	R612	06E28533S01	RES,CF,102-J-1/16-CP
R511	06E31153S01	RES,CF,222-J-1/16-CP	R614	06E28624S01	RES,CF,0R0-J-1/16-CP
R512	06E31152S01	RES,CF,152-J-1/16-CP	R615	06E28624S01	RES,CF,0R0-J-1/16-CP
R513	06E31152S01	RES,CF,152-J-1/16-CP	R616	06E28624S01	RES,CF,0R0-J-1/16-CP
R514	06E31153S01	RES,CF,222-J-1/16-CP	R623	06E28624S01	RES,CF,0R0-J-1/16-CP
R515	06E31160S01	RES,CF,473-J-1/16-CP	R624	06E28624S01	RES,CF,0R0-J-1/16-CP
R516	06E28555S01	RES,CF,153-J-1/16-CP	R625	06E28533S01	RES,CF,102-J-1/16-CP
R517	06E31809S01	RES,CF,822-F-1/16-CP	R626	06E28555S01	RES,CF,153-J-1/16-CP
R518	06E28534S01	RES,CF,103-J-1/16-CP	R627	06E28533S01	RES,CF,102-J-1/16-CP
R519	06E28794S01	RES,CF,273-J-1/16-CP	R628	06E28533S01	RES,CF,102-J-1/16-CP
R520	06E31685S01	RES,CF,105-J-1/16-CP	R629	06E28534S01	RES,CF,103-J-1/16-CP
R521	06E31807S01	RES,CF,334-J-1/16-CP	R630	06E28549S01	RES,CF,472-J-1/16-CP
R522	06E28797S01	RES,CF,474-J-1/16-CP	R631	06E28534S01	RES,CF,103-J-1/16-CP
R523	06E31153S01	RES,CF,222-J-1/16-CP	R632	06E31148S01	RES,CF,101-J-1/16-CP
R525	06E28549S01	RES,CF,472-J-1/16-CP	R633	06E28533S01	RES,CF,102-J-1/16-CP
R526	06E28549S01	RES,CF,472-J-1/16-CP	R634	06E28533S01	RES,CF,102-J-1/16-CP
R527	06E28549S01	RES,CF,472-J-1/16-CP	R635	06E28624S01	RES,CF,0R0-J-1/16-CP

R636	06E28624S01	RES,CF,0R0-J-1/16-CP
R643	06E28624S01	RES,CF,0R0-J-1/16-CP
R644	06E28624S01	RES,CF,0R0-J-1/16-CP
R645	06E28533S01	RES,CF,102-J-1/16-CP
R646	06E28555S01	RES,CF,153-J-1/16-CP
R647	06E28534S01	RES,CF,103-J-1/16-CP
R648	06E28549S01	RES,CF,472-J-1/16-CP
R649	06E28534S01	RES,CF,103-J-1/16-CP
R650	06E28533S01	RES,CF,102-J-1/16-CP
R651	06E28533S01	RES,CF,102-J-1/16-CP
R652	06E31148S01	RES,CF,101-J-1/16-CP
R653	06E28624S01	RES,CF,0R0-J-1/16-CP
R654	06E28624S01	RES,CF,0R0-J-1/16-CP
R655	06E28624S01	RES,CF,0R0-J-1/16-CP
R659	06E28549S01	RES,CF,472-J-1/16-CP
R661	06E28533S01	RES,CF,102-J-1/16-CP
R662	06E28533S01	RES,CF,102-J-1/16-CP
R663	06E28533S01	RES,CF,102-J-1/16-CP
R664	06E28624S01	RES,CF,0R0-J-1/16-CP
R665	06E28624S01	RES,CF,0R0-J-1/16-CP
R666	06E28624S01	RES,CF,0R0-J-1/16-CP
R667	06E28624S01	RES,CF,0R0-J-1/16-CP
R668	06E28624S01	RES,CF,0R0-J-1/16-CP
R669	06E28624S01	RES,CF,0R0-J-1/16-CP
R683	06E28624S01	RES,CF,0R0-J-1/16-CP
R684	06E28624S01	RES,CF,0R0-J-1/16-CP
R685	06E28624S01	RES,CF,0R0-J-1/16-CP
R686	06E28624S01	RES,CF,0R0-J-1/16-CP
R687	06E28624S01	RES,CF,0R0-J-1/16-CP
R688	06E28624S01	RES,CF,0R0-J-1/16-CP
R689	06E28624S01	RES,CF,0R0-J-1/16-CP
R690	06E28624S01	RES,CF,0R0-J-1/16-CP
R691	06E28624S01	RES,CF,0R0-J-1/16-CP
R692	06E28624S01	RES,CF,0R0-J-1/16-CP
R695	06E31153S01	RES,CF,222-J-1/16-CP
R696	06E31153S01	RES,CF,222-J-1/16-CP
R697	06E31153S01	RES,CF,222-J-1/16-CP
R698	06E31153S01	RES,CF,222-J-1/16-CP
R700	06E31160S01	RES,CF,473-J-1/16-CP
R701	06E28533S01	RES,CF,102-J-1/16-CP
R702	06E28624S01	RES,CF,0R0-J-1/16-CP
R703	06E28624S01	RES,CF,0R0-J-1/16-CP
R704	06E33329S01	RES,CF,511-J-1/16-CP
R705	06E33329S01	RES,CF,511-J-1/16-CP
R709	06E34592S01	RES,CF,161-J-1/16-CP
R710	06E34592S01	RES,CF,161-J-1/16-CP
R711	06E28534S01	RES,CF,103-J-1/16-CP
R712	06E28624S01	RES,CF,0R0-J-1/16-CP
R715	06E28624S01	RES,CF,0R0-J-1/16-CP
R716	06E28624S01	RES,CF,0R0-J-1/16-CP
R717	06E28534S01	RES,CF,103-J-1/16-CP
R718	06E28534S01	RES,CF,103-J-1/16-CP
R719	06E28534S01	RES,CF,103-J-1/16-CP
R720	06E33329S01	RES,CF,511-J-1/16-CP
R721	06E28533S01	RES,CF,102-J-1/16-CP
R722	06E31160S01	RES,CF,473-J-1/16-CP
R723	06E31160S01	RES,CF,473-J-1/16-CP

R724	06E31160S01	RES,CF,473-J-1/16-CP
R725	06E28537S01	RES,CF,104-J-1/16-CP
R726	06E28535S01	RES,CF,223-J-1/16-CP
R727	06E28549S01	RES,CF,472-J-1/16-CP
R729	06E28535S01	RES,CF,223-J-1/16-CP
R730	06E28533S01	RES,CF,102-J-1/16-CP
R731	06E28535S01	RES,CF,223-J-1/16-CP
R732	06E28534S01	RES,CF,103-J-1/16-CP
R733	06E28624S01	RES,CF,0R0-J-1/16-CP
R734	06E28624S01	RES,CF,0R0-J-1/16-CP
R735	06E28624S01	RES,CF,0R0-J-1/16-CP
=====Connectors		
CH101	09E34589S01	CONN BASE, GIL-S-07P-S2T2
CH301	09E34590S01	CONN BASE, GIL-S-14P-S2T2
CH302	09E22533S01	CONN BASE, GIL-S-09P-S2T2
CH501	09E11157S01	CONN BASE, GIL-S-06P-S2T2
CH502	09E34588S01	CONN BASE, GIL-S-07P-S2L2
=====Miscellaneous		
CB602	09E22881S01	TERM HOU 5569-6A1(POWER SUPPLY)
DIN1	09T55071W02	CONN,TCP9389 GREY (CHANGER IN-ANALOG 3)
DIN2	09T55071W02	CONN,TCP9389 GREY (AI-NET IN-ANALOG 2)
DIN13G2	09E24355S01	DIN SOCKET,13P(CONTROL UNIT)
IC609	51T45265W03	TORX193-WS (OPTICAL INPUT-CD/DVD H.U.-DIGITAL 1)
IC610	51T45265W03	TORX193-WS (OPTICAL INPUT-CHG?DIGITAL 2)
IC611	51T45265W03	TORX193-WS (OPTICAL INPUT-DVD?DIGITAL 3)
JAC3P	09E34591S01	JACK MONO(DKE13000) (MIC)
JK2	09E34572S01	JACK RCA 4P(W/R/B) (RCA OUTPUT-FRONT 1(FULL RANGE/TWEETER)/FRONT 2)
JK3	09E34573S01	JACK RCA 4P(W/R) (RCA OUTPUT-REAR/SUBWOOFER (CENTER/SELECTABLE SUBWOOFER))
JK4	09E34574S01	JACK RCA 3P(B/W/R) (RCA INPUT-ANALOG1(R)/ANALOG1(L)/GUIDE)

<COMMANDER Unit>

Parts Layout on P.W.Board and Wiring Diagram

Schematic Diagram

Terminal Voltage of IC/TR

Exploded View (Cabinet) (COMMANDER Unit)

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Terminal Voltage of IC/TR

(FRONT P.W.Board)

IC901	
1	0
2	7.9
3	3.4
4	3.4
5	3.4

IC902			
1	0	11	0
2	4.3	12	0
3	0.6	13	0
4	4.9	14	0
5	0	15	0
6	0.4	16	3.4
7	0	17	0.4
8	0	18	2.9
9	0	19	0
10	0	20	3.4

IC903			
1	0	9	0
2	0	10	0
3	0	11	0
4	0.7	12	0
5	0.7	13	0
6	0.7	14	4.9
7	0	15	4.9
8	0	16	4.9

IC904			
1	0	9	0
2	0	10	0
3	4.9	11	0
4	0	12	0
5	0	13	0
6	0	14	4.9
7	0.7	15	4.9
8	0	16	4.9

IC905	
1	5.8
2	0
3	7.9

	E	C	B
Q901	0	0	0.7
Q902	0	0	0.7
Q903	0	4.7	0
Q904	0	0	0.7
Q905	0	7.2	0
Q906	0	7.2	0
Q907	0	7.2	0
Q910	0	5.8	0
Q911	0	0	0.7
Q912	0	0	0.7

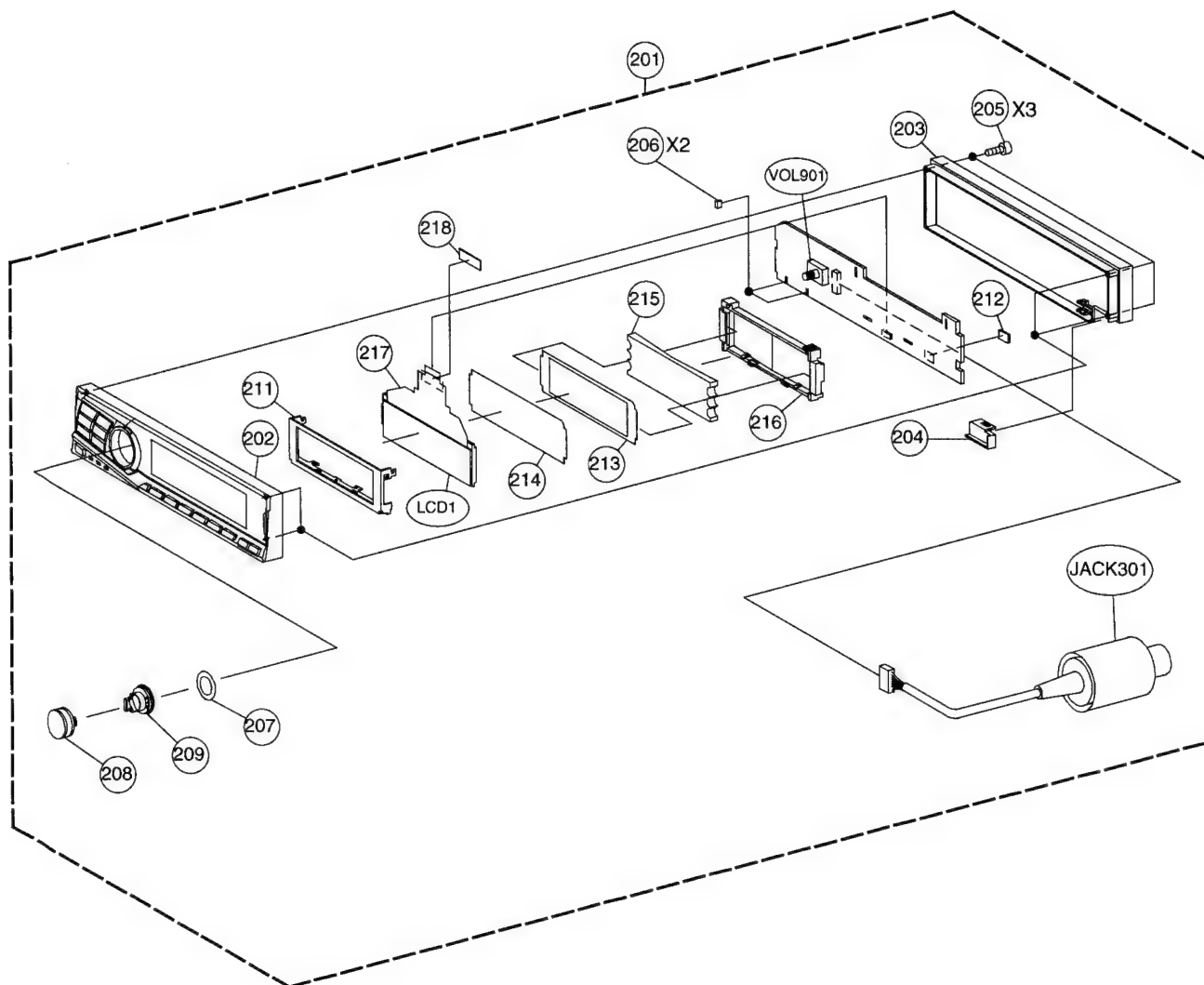
[Measuring Conditions]

- | | |
|------------------------------|---------------------------|
| 1. Power Supply Voltage | : DC16V |
| 2. Measuring Meter | : Digital Multi Voltmeter |
| 3. Measuring Point Reference | : Between GND |
| 4. Measuring Condition | : No Load resistor |

Exploded View (Cabinet)

PXA-H700

< COMMANDER Unit >



TO PARTS LIST

TO CONTENTS

Cabinet Assembly Parts List (COMMANDER Unit)			
Notes : The part that has not PART NUMBER will not be supplied.			
#1 : For North American Model Only, \$1 : For General Foreign Model Only, Others : Common.			
#1	201	01E34569S01	ASS'Y NOSE UNIT
\$1	201	01E34673S01	ASS'Y NOSE UNIT
#1	202	13E34607S01	ASS'Y NOSE PIECE
\$1	202	13E34607S01	ASS'Y NOSE PIECE
	203	13E34601S01	NOSE BOTTOM(MAIN)
	204	13E34602S01	NOSE,BOTTOM(SUB)
	205	03E34600S01	SCR M1.7X16(P)TPG-TPT(BLK)
	206	75E34603S01	CUSHION,NOSE(6X2X3T)
	207	26E34604S01	SHEET,ROTARY
	208	36E34605S01	KNOB,ROTARY(FRONT)
	209	36E34606S01	KNOB,ROTARY(BASE)
	211	15E34608S01	COVER,LCD
	212	26E34609S01	SHEET 7X10X0.2t
	213	26A41974Y01	REFLECTOR,SHEET
	214	26E34611S01	REFLECTOR,SHEET
	215	61E34614S01	LENS,LCD
	216	15E34615S01	CASE,LCD
	217	30T65010Y01	COF MODULE 1065
	218	14S50096Y15	INS,CVR 10X20XT0.188

PXA-H700**Electrical Parts List
(COMMANDER Unit)*********FRONT P.W.Board****=====IC's**

IC901	51T15490Y03	IC S81233SG
IC902	51T25501Y01	IC, 74LCX541FT-EL-SE5
IC903	51T55576Y01	BU2098F-E2-SE5
IC904	51T55576Y01	BU2098F-E2-SE5
IC905	51E28014S01	IC, NJM78L05UA-TE1

=====Transistors

Q901	48T63788F01	TR, CP, 2SD1328-TX
Q902	48T63788F01	TR, CP, 2SD1328-TX
Q903	48T63788F01	TR, CP, 2SD1328-TX
Q904	48T63788F01	TR, CP, 2SD1328-TX
Q905	48T63788F01	TR, CP, 2SD1328-TX
Q906	48T63788F01	TR, CP, 2SD1328-TX
Q907	48T63788F01	TR, CP, 2SD1328-TX
Q910	48T63788F01	TR, CP, 2SD1328-TX
Q911	48T63788F01	TR, CP, 2SD1328-TX
Q912	48T63788F01	TR, CP, 2SD1328-TX

=====Diodes

D901	48T15702W01	DIO, CP SB05-05CP
D902	48T15702W01	DIO, CP SB05-05CP
D903	48T15702W01	DIO, CP SB05-05CP

=====LED's

LD907	48T25534Y01	LED, GRN BG1111C-CP
LD908	48T25534Y01	LED, GRN BG1111C-CP
LD909	48T25534Y01	LED, GRN BG1111C-CP
LD910	48T25534Y01	LED, GRN BG1111C-CP
LD911	48T25534Y01	LED, GRN BG1111C-CP
LD912	48T25534Y01	LED, GRN BG1111C-CP
LD913	48T25534Y01	LED, GRN BG1111C-CP
LD914	48T25534Y01	LED, GRN BG1111C-CP
LD915	48T25534Y01	LED, GRN BG1111C-CP
LD916	48T25534Y01	LED, GRN BG1111C-CP
LD917	48T25534Y01	LED, GRN BG1111C-CP
LD918	48T25534Y01	LED, GRN BG1111C-CP
LD919	48T45280Y01	LED WHT NSCWS405T-E2
LD920	48T45280Y01	LED WHT NSCWS405T-E2
LD921	48T45280Y01	LED WHT NSCWS405T-E2
LD922	48T45280Y01	LED WHT NSCWS405T-E2
LD923	48T45280Y01	LED WHT NSCWS405T-E2
LD924	48T45280Y01	LED WHT NSCWS405T-E2
LD925	48T25534Y03	LED, AMB AA1111C-CP
LD926	48T25534Y03	LED, AMB AA1111C-CP
LD927	48T25534Y03	LED, AMB AA1111C-CP
LD928	48T25534Y03	LED, AMB AA1111C-CP
LD929	48T25534Y03	LED, AMB AA1111C-CP
LD930	48T25534Y03	LED, AMB AA1111C-CP
LD931	48T25534Y03	LED, AMB AA1111C-CP
LD932	48T25534Y03	LED, AMB AA1111C-CP
LD933	48T25534Y03	LED, AMB AA1111C-CP
LD934	48T25534Y03	LED, AMB AA1111C-CP
LD935	48T25534Y03	LED, AMB AA1111C-CP
LD936	48T25534Y03	LED, AMB AA1111C-CP
LD937	48T25534Y03	LED, AMB AA1111C-CP

LD938	48T25534Y03	LED, AMB AA1111C-CP
LD939	48T25534Y03	LED, AMB AA1111C-CP
LD940	48T25534Y03	LED, AMB AA1111C-CP
LD941	48T25534Y03	LED, AMB AA1111C-CP
LD942	48T25534Y03	LED, AMB AA1111C-CP
LD943	48T25534Y01	LED, GRN BG1111C-CP
LD944	48T25534Y01	LED, GRN BG1111C-CP
LD945	48T25534Y01	LED, GRN BG1111C-CP
LD946	48T25534Y01	LED, GRN BG1111C-CP
LD947	48T25534Y03	LED, AMB AA1111C-CP
LD948	48T25534Y03	LED, AMB AA1111C-CP
LD949	48T25534Y03	LED, AMB AA1111C-CP
LD958	48T25534Y03	LED, AMB AA1111C-CP
LD959	48T25534Y03	LED, AMB AA1111C-CP
LD960	48T25534Y03	LED, AMB AA1111C-CP
LD961	48T25534Y03	LED, AMB AA1111C-CP
LD962	48T25534Y03	LED, AMB AA1111C-CP

=====Switches

SW901	40T55656W06	SW, TACT SKQMAJ-XXX(DEFAT)
SW902	40T55656W06	SW, TACT SKQMAJ-XXX(AUTO TCR)
SW903	40T55656W06	SW, TACT SKQMAJ-XXX(TCR/PHASE)
SW904	40T55656W06	SW, TACT SKQMAJ-XXX(3)
SW905	40T55656W06	SW, TACT SKQMAJ-XXX(5)
SW906	40T55656W06	SW, TACT SKQMAJ-XXX(DOLBY PL II)
SW907	40T55656W06	SW, TACT SKQMAJ-XXX(MX)
SW908	40T55656W06	SW, TACT SKQMAJ-XXX(P.EQ)
SW909	40T55656W06	SW, TACT SKQMAJ-XXX(G.EQ)
SW910	40T55656W06	SW, TACT SKQMAJ-XXX(X-OVER)
SW911	40T55656W06	SW, TACT SKQMAJ-XXX(ENTER)
SW912	40T55656W06	SW, TACT SKQMAJ-XXX(B.C.)
SW913	40T55656W06	SW, TACT SKQMAJ-XXX(1)
SW914	40T55656W06	SW, TACT SKQMAJ-XXX(CHANNEL)
SW915	40T55656W06	SW, TACT SKQMAJ-XXX(SET UP)
SW916	40T55656W06	SW, TACT SKQMAJ-XXX(2)
SW917	40T55656W06	SW, TACT SKQMAJ-XXX(4)
SW918	40T55656W06	SW, TACT SKQMAJ-XXX(6)
SW919	40T55656W06	SW, TACT SKQMAJ-XXX(DISP)

=====Lamps

PL901	65T35324Y02	LAMP, GRN 6-80-E5
PL902	65T35324Y02	LAMP, GRN 6-80-E5

=====Capacitors

C901	08E31820S01	CAP, CER 104-K-B1E-CP
C902	08E31820S01	CAP, CER 104-K-B1E-CP
C903	08E28764S01	CAP, CER 101-J-SL1H-CP
C904	08E28764S01	CAP, CER 101-J-SL1H-CP
C905	08E28764S01	CAP, CER 101-J-SL1H-CP
C908	08E28764S01	CAP, CER 101-J-SL1H-CP
C909	08E28764S01	CAP, CER 101-J-SL1H-CP
C912	08E28764S01	CAP, CER 101-J-SL1H-CP

C913	08E28764S01	CAP,CER 101-J-SL1H-CP
C914	08E28764S01	CAP,CER 101-J-SL1H-CP
C941	08E31820S01	CAP,CER 104-K-B1E-CP
C942	08E31820S01	CAP,CER 104-K-B1E-CP
C943	08E31820S01	CAP,CER 104-K-B1E-CP
C944	91T15058Y07	EMI,NFE31PT222Z1E-CP
C947	08E28764S01	CAP,CER 101-J-SL1H-CP
C948	08E31820S01	CAP,CER 104-K-B1E-CP
C949	08E31820S01	CAP,CER 104-K-B1E-CP
C950	08E31820S01	CAP,CER 104-K-B1E-CP
C951	08E31939S01	CAP,CER 471-J-SL1H-CP
C952	08E32301S01	CAP,CER 105K-B0J-CP
C953	08E32301S01	CAP,CER 105K-B0J-CP
C954	08E31939S01	CAP,CER 471-J-SL1H-CP
C955	08E31939S01	CAP,CER 471-J-SL1H-CP
C956	08E31939S01	CAP,CER 471-J-SL1H-CP
C957	08E31820S01	CAP,CER 104-K-B1E-CP
=====Resistors		
R902	06E33329S01	RES,CF,511-J-1/16-CP
R903	06E33329S01	RES,CF,511-J-1/16-CP
R904	06E33329S01	RES,CF,511-J-1/16-CP
R905	06E33329S01	RES,CF,511-J-1/16-CP
R906	06E33253S01	RES,CF,222-F-1/16-CP
R907	06E33253S01	RES,CF,222-F-1/16-CP
R908	06E33329S01	RES,CF,511-J-1/16-CP
R909	06E33329S01	RES,CF,511-J-1/16-CP
R910	06E28624S01	RES,CF,0R0-J-1/16-CP
R911	06E28624S01	RES,CF,0R0-J-1/16-CP
R912	06E28624S01	RES,CF,0R0-J-1/16-CP
R913	06E35863S01	RES,CF,333-F-1/16-CP
R914	06E32289S01	RES,CF,123-F-1/16-CP
R915	06E32287S01	RES,CF,562-F-1/16-CP
R916	06E33254S01	RES,CF,332-F-1/16-CP
R917	06E33253S01	RES,CF,222-F-1/16-CP
R918	06E32205S01	RES,CF,152-F-1/16-CP
R919	06E33252S01	RES,CF,122-F-1/16-CP
R920	06E35863S01	RES,CF,333-F-1/16-CP
R921	06E32289S01	RES,CF,123-F-1/16-CP
R922	06E32287S01	RES,CF,562-F-1/16-CP
R923	06E33254S01	RES,CF,332-F-1/16-CP
R924	06E33253S01	RES,CF,222-F-1/16-CP
R925	06E32205S01	RES,CF,152-F-1/16-CP
R926	06E33252S01	RES,CF,122-F-1/16-CP
R927	06E35863S01	RES,CF,333-F-1/16-CP
R928	06E32289S01	RES,CF,123-F-1/16-CP
R929	06E32287S01	RES,CF,562-F-1/16-CP
R930	06E33254S01	RES,CF,332-F-1/16-CP
R931	06E33253S01	RES,CF,222-F-1/16-CP
R932	06E32205S01	RES,CF,152-F-1/16-CP
R933	06E33252S01	RES,CF,122-F-1/16-CP
R937	06E33076S01	RES,CF 62R-J-1/4-CP
R938	06E33076S01	RES,CF 62R-J-1/4-CP
R939	06E22073S01	RES,CF, 331-J-1/4-CP
R940	06E28534S01	RES,CF,103-J-1/16-CP
R941	06E22954S01	RES,CF 68R-J-1/4-CP
R942	06E22954S01	RES,CF 68R-J-1/4-CP
R943	06E28534S01	RES,CF,103-J-1/16-CP

R944	06E35862S01	RES,CF 91R-J-1/4-CP
R945	06E33077S01	RES,CF 91R-J-1/4-CP
R946	06E35862S01	RES,CF 91R-J-1/4-CP
R947	06E33077S01	RES,CF 91R-J-1/4-CP
R948	06E33077S01	RES,CF 91R-J-1/4-CP
R949	06E33077S01	RES,CF 91R-J-1/4-CP
R950	06E28534S01	RES,CF,103-J-1/16-CP
R956	06E28534S01	RES,CF,103-J-1/16-CP
R957	06E28534S01	RES,CF,103-J-1/16-CP
R958	06E28534S01	RES,CF,103-J-1/16-CP
R959	06E28534S01	RES,CF,103-J-1/16-CP
R966	06E23901S01	RES,CF, 201R-J-1/4-CP
R968	06E22073S01	RES,CF, 331-J-1/4-CP
R969	06E28534S01	RES,CF,103-J-1/16-CP
R970	06E28534S01	RES,CF,103-J-1/16-CP
R971	06E28534S01	RES,CF,103-J-1/16-CP
R972	06E28534S01	RES,CF,103-J-1/16-CP
R973	06E28534S01	RES,CF,103-J-1/16-CP
R974	06E28534S01	RES,CF,103-J-1/16-CP
R975	06E28534S01	RES,CF,103-J-1/16-CP
R977	06E28534S01	RES,CF,103-J-1/16-CP
R978	06E28534S01	RES,CF,103-J-1/16-CP
R979	06E28534S01	RES,CF,103-J-1/16-CP
R980	06E28534S01	RES,CF,103-J-1/16-CP
R982	06E24393S01	RES,CF 56R-J-1/4-CP
R983	06E24393S01	RES,CF 56R-J-1/4-CP
R984	06E28534S01	RES,CF,103-J-1/16-CP
R985	06E28534S01	RES,CF,103-J-1/16-CP
R986	06E24393S01	RES,CF 56R-J-1/4-CP
R987	06E24393S01	RES,CF 56R-J-1/4-CP
R988	06E28549S01	RES,CF,472-J-1/16-CP
R989	06E28549S01	RES,CF,472-J-1/16-CP
R990	06E22073S01	RES,CF, 331-J-1/4-CP
R991	06E22073S01	RES,CF, 331-J-1/4-CP
R992	06E22073S01	RES,CF, 331-J-1/4-CP
R994	06E23901S01	RES,CF, 201R-J-1/4-CP
R1020	06E23901S01	RES,CF, 201R-J-1/4-CP
R1026	06E23901S01	RES,CF, 201R-J-1/4-CP
R1028	06E28534S01	RES,CF,103-J-1/16-CP
R1029	06E28534S01	RES,CF,103-J-1/16-CP
R1030	06E22954S01	RES,CF 68R-J-1/4-CP
R1032	06E33076S01	RES,CF 62R-J-1/4-CP
R1033	06E23901S01	RES,CF, 201R-J-1/4-CP
R1037	06E28624S01	RES,CF,0R0-J-1/16-CP
R1040	06E33329S01	RES,CF,511-J-1/16-CP
R1041	06E28624S01	RES,CF,0R0-J-1/16-CP
R1042	06E28624S01	RES,CF,0R0-J-1/16-CP
R1043	06E28624S01	RES,CF,0R0-J-1/16-CP
R1044	06E28624S01	RES,CF,0R0-J-1/16-CP
=====Connectors		
CB901	09T75307W14	WTB 53261-1490
CB902	09T15108Y18	FFC,52746-1890-E9
=====Miscellaneous		
JACK301	01E34613S01	ASSY DIN CON 300MM 13P (To PROCESSOR UNIT)
LCD1	65T65005Y01	LCD,NTD-21358H

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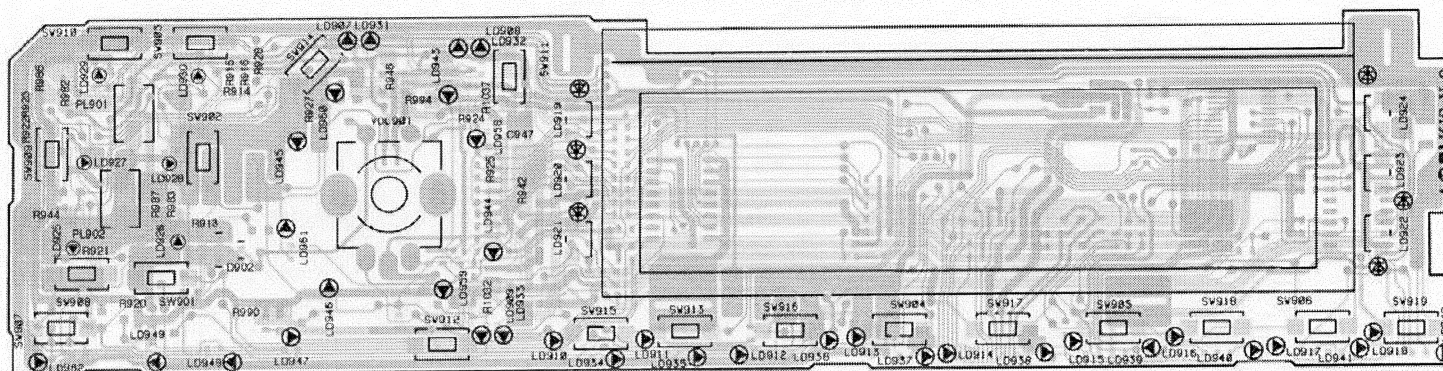
VOL901	40T45624Y04	ENC, EC11E152V (ROTARY ENCODER/ PUSH-CONTROL (X- OVER/G.EQ/P.EQ/TCR/PH ASE/SETUP))
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Parts Layout on P.W.Board and Wiring Diagram

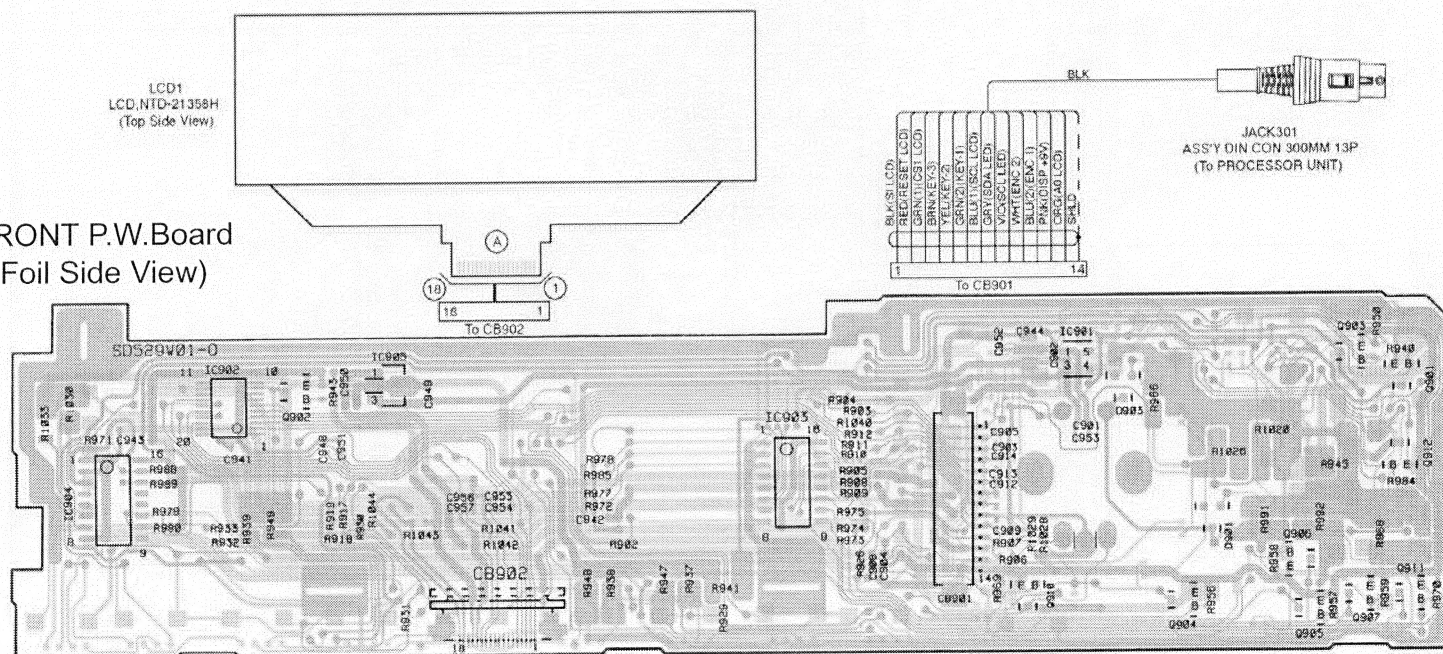
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FRONT P.W.Board (Component Side View)



FRONT P.W.Board
(Foil Side View)



Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

A | B | C | D | E | F | G

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